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WHOLE PROJECT

1.1 Planning (M1 to M13)

The planning of the project follows general rules per WP. They were fixed at the beginning of the project. If any partner expressed their will to follow their own planning, it was taken in account from the beginning of the project.

The breakdown of the planning of each WP is:

WP1.1 to WP1.8, WP2.1, WP3.1 to WP3.3 & WP4.2:

A linear cruise speed V1 was calculated from M1 to M25.

M1 to M6: 50% of the cruise speed V1.

M7 to M22: 100% of the cruise speed V1.

M23 to M25: 50% of the cruise speed V1.

WP2.2:

M1 to M6: 0.

A linear cruise speed V2 was calculated from M7 to M25.

M7 to M22: 100% of the cruise speed V2.

M23 to M25: 50% of the cruise speed V2.

WP4.2:

M1 to M25: 100% of a linear distribution.

Note: Partners following their own particular planning are: B12-CYBER and B19-UPM.

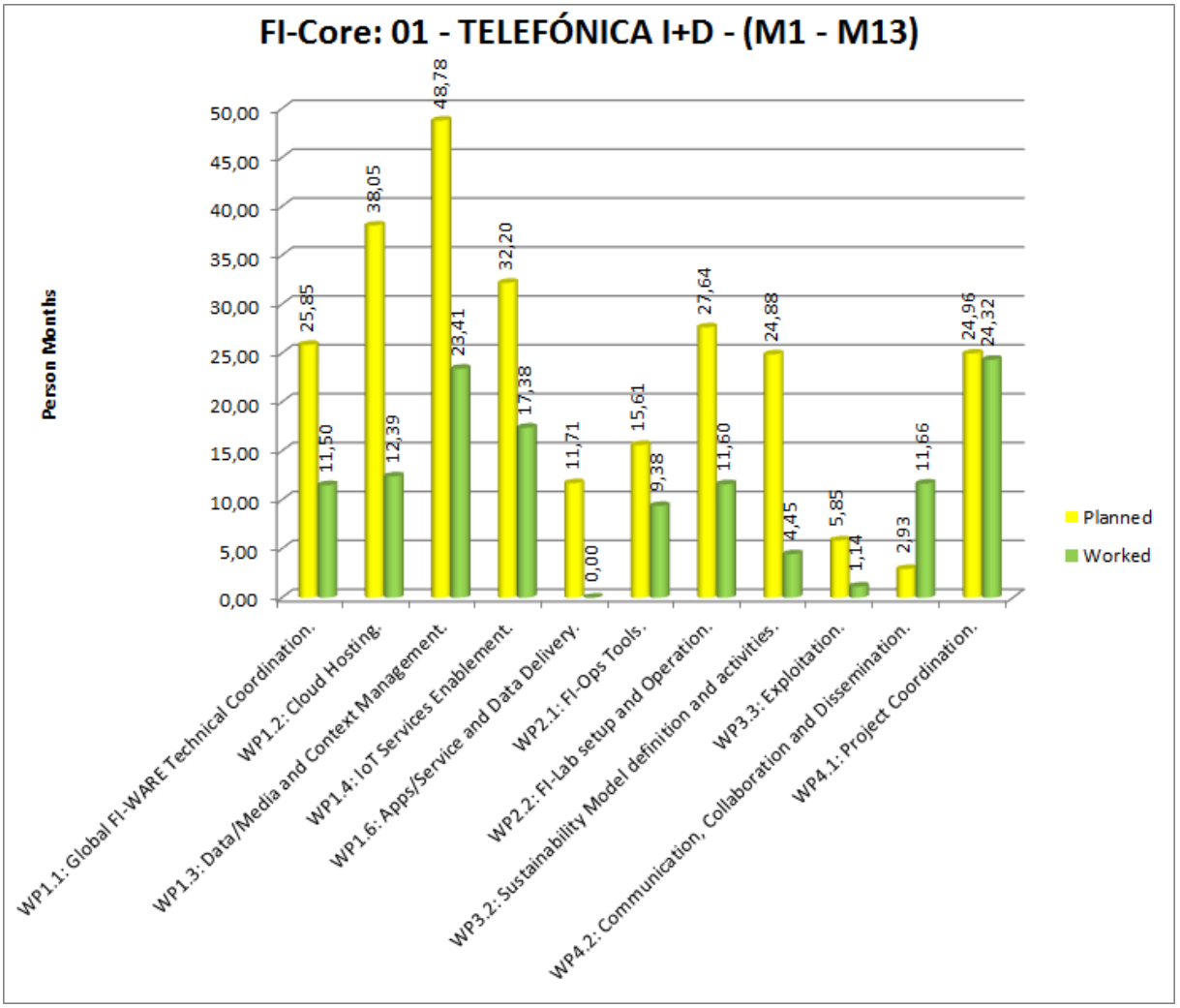
1.2 Efforts per partner (M1 to M13)

The following figures show the effort for each partner from M1(Sept14) to M13 (Sep15):

A brief description of the deviation in each WP is supplied if it is bigger than ±10% of the planned effort.

(CURRENTLY WORKING ON THIS DOCUMENT)

1.2.1 01 - TELEFONICA I+D



Explanations of the deviations (>10%):

WP1.1: ...PENDING EXPLANATION OF THE DEVIATION

WP1.2: The forthcoming amendment will imply a significant reduction of TID's resources in this WP. Once the new situation is reflected in the contract, planned and actual resources will be reasonably aligned.

WP1.3: Significant effort from this WP has been transferred to the Communication, Collaboration and Dissemination activities in WP4.2 for improving the knowledge of FIWAREness concept (based on the NGSI APIs) among other communities (OASC, Smartcities, developers etc.). Also, part of the originally planned effort in this chapter has been devoted to the coaching activities required in the SoulFI accelerator (WP3.2).

WP1.4: ...PENDING EXPLANATION OF THE DEVIATION

WP1.6: All the effort is transferred to UPM in the first amendment.

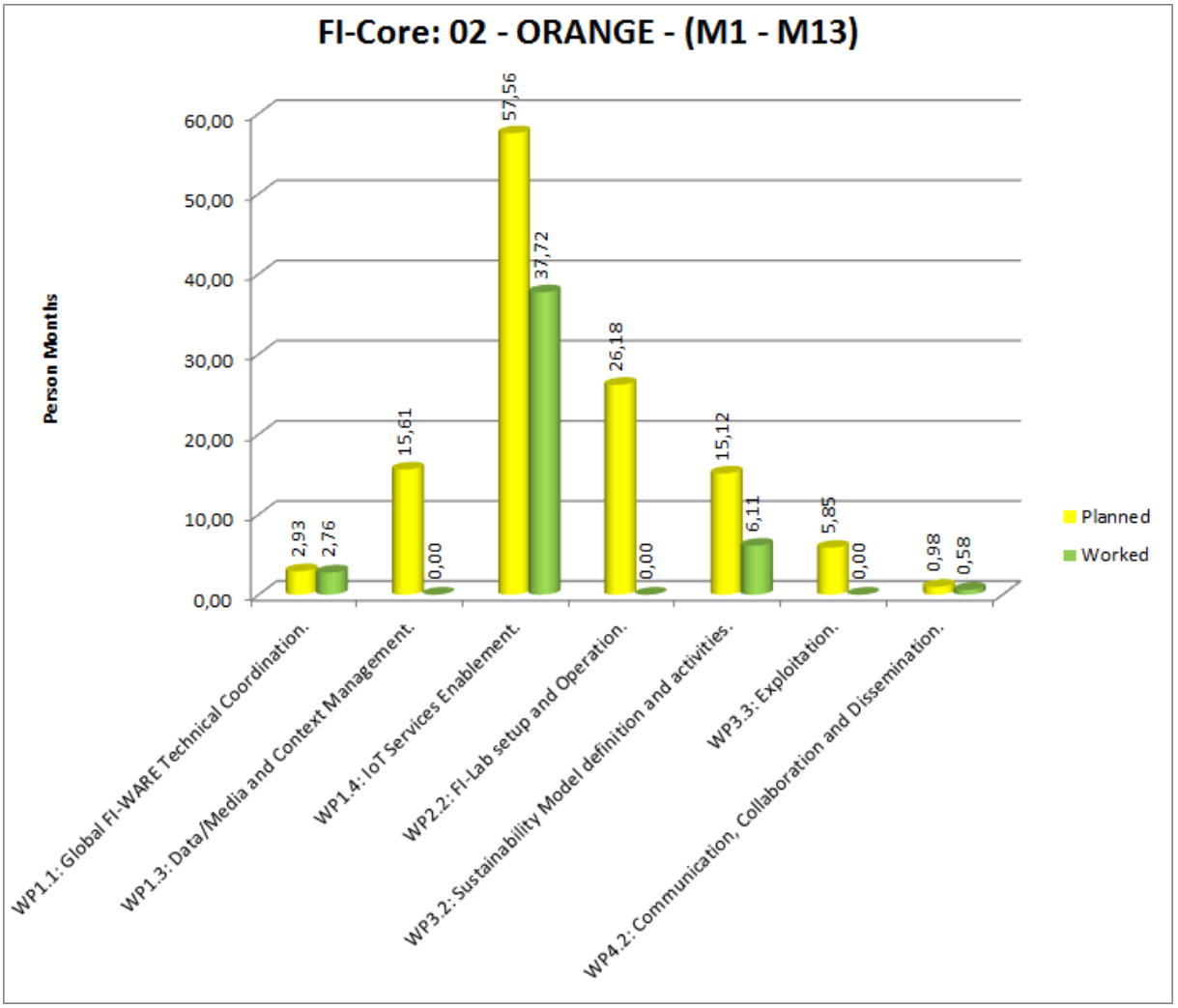
WP2.1: The forthcoming amendment will imply a significant reduction of TID's resources in this WP. Once the new situation is reflected in the contract, planned and actual resources will be reasonably aligned.

WP2.2: The forthcoming amendment will imply a significant reduction of TID's resources in this WP. Once the new situation is reflected in the contract, planned and actual resources will be reasonably aligned.

WP3.2: ...PENDING EXPLANATION OF THE DEVIATION

WP4.2: In the amendment 1 the effort of TID will be increased. The overspending effort is due to the disseminations travels.

1.2.2 02 - ORANGE



Explanations of the deviations (>10%):

WP1.3: Orange has withdrawn completely from this WP and the corresponding effort allocation originally planned in the first version of the FI-CORE DoW has been effectively cancelled by the DoW amendment accepted in September.

WP1.4: A reassignment of activities, due to internal restructuring and reprioritization of activities, has impacted key people who had been working on FIWARE IoT since the start of the first phase of the FI-WARE project. This change has been taking place over the first year of the FI-CORE project. The contributions of people leaving the project did not stop abruptly to make it possible to have a smooth transition and a progressive handover of activities with other people ramping up. The takeover of development activities was unfortunately delayed, which explains part of the discrepancy with planned effort, and could not take place before May. The new team has been fully operational since that time, with a new team of 3 developers working now on the project and refactoring the code of the Espr4fastdata implementation of the Gateway data handling enabler (now called IDEC-Cepheus).

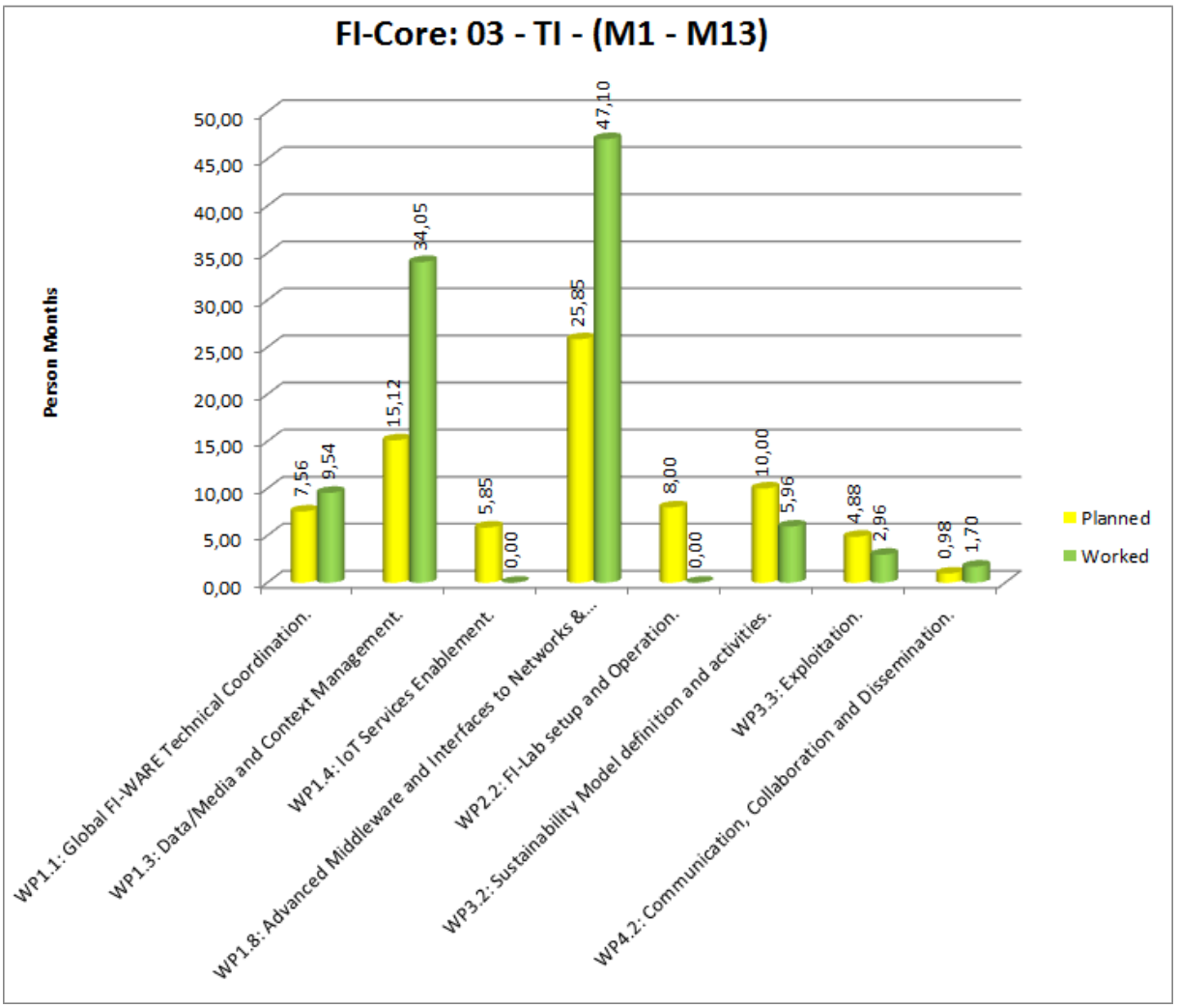
WP2.2: No action from Orange was required yet at this stage. Setup of the FILab node supported by Orange will start effectively on year 2 of the project.

WP3.2: The setup of the open source community has been taken over by the Core Industry Group, which explains part of the discrepancy. Orange is part of this Core Industry Group and as the other members, Orange spent internal resources without affecting the project. Finally strong collaboration between the core group members and some reviews with Fiware members helped to create the Fiware body structure and processes and finally to achieve the goal. Orange provided coaching support to European Pioneer and helped to select the SMEs that obtained funding from the EC. The coaching activity is ongoing for those selected SMEs.

WP3.3: The person who was partially in charge of these activities has not been able to contribute as much as planned. Catchup is expected on year 2.

WP4.2: These activities will increase very notably on year 2 of the project, e.g. with the start of a standardization effort of NGSI v2 through an ETSI ISG, the recruitment of french cities to OASC, etc.

1.2.3 03 - TI



Explanations of the deviations (>10%):

WP1.1: More effort was consumed to manage the interaction of new GEs developed (WP1.3 and WP1.8) within the global architectural vision of FIWARE.

WP1.3: Design of three new GEs (Social Data Aggregator, Social Semantic Enricher, Metedata Store Management Platform) started in the period; more resources than planned were used since the start of the project to make sure that the degree of completeness of such GEs, by the end of the period (i.e. major release R4 of FIWARE), could be comparable to GEs already available in previous releases.

WP1.4: TI planned to only support the existing GE (ZPA), without further developments in IoT chapter. It did not consume resources for this chapter. A redistribution of effort to other chapters where TI is involved (particularly WP1.3), will be proposed through a project amendment.

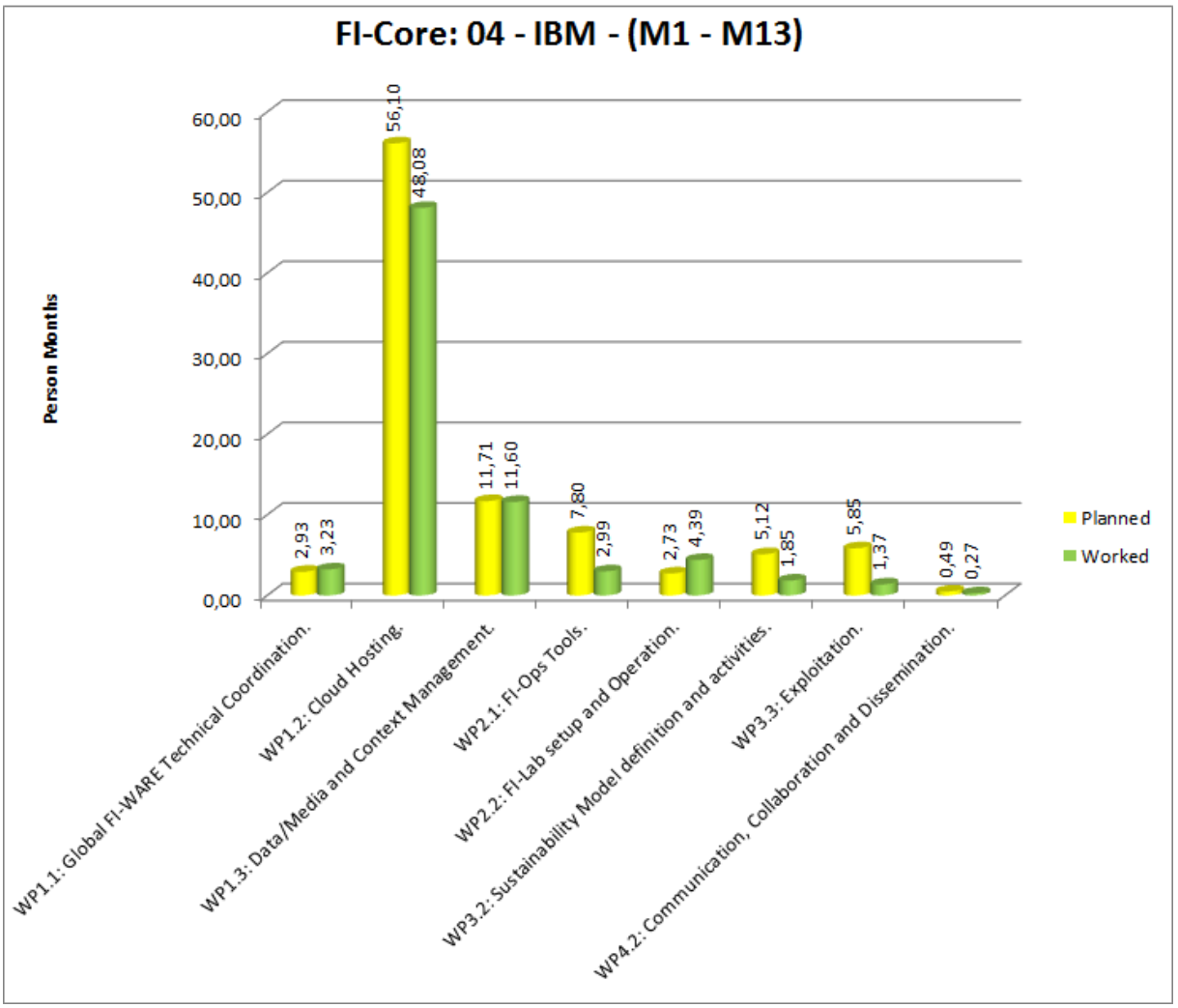
WP1.8: Overall coordination of chapter, including new aggregation of GEs from other chapters, required slightly more effort than planned. Most of additional resources used, compared to planned ones, were used since the beginning of the project to develop the new Robotics GE; as in the case of WP1.3, extra resources were used to make sure that, by the end of the period (major release 4), the degree of completeness of such GE could be suitable to make it ready to use, and comparable to other GEs already available in FIWARE

WP2.2: This activity formally started later in the period under evaluation. Moreover, this activity overlapped with XIFI project completion, resulting in resources unused during the period in subject. Resource distribution will be readjusted in a contract amendment.

WP3.2 and WP3.3: Less effort was involved due to temporarily low availability of resources with the required knowledge to support the WP activities, and partially due to overlap with previous projects FI-WARE and XIFI. Resource distribution will be readjusted in a contract amendment.

WP4.2: Slightly more effort than planned was spent to support the FIWARE Accelerator open calls, to provide presentations to local info days and events targeting potential developers who could apply for the calls.

1.2.4 04 - IBM



Explanations of the deviations (>10%):

WP1.2: We had slow ramp-up, focusing on stabilizing the OpenStack-based solution, and initial exploration of Docker support. We expect to increase our effort around full Docker adoption during the second year.

WP2.1: Our contributions to WP2.1 are mostly around deployment automation of GEs that we develop in WP1.2, hence it is natural that the majority of the work is planned for the second year.

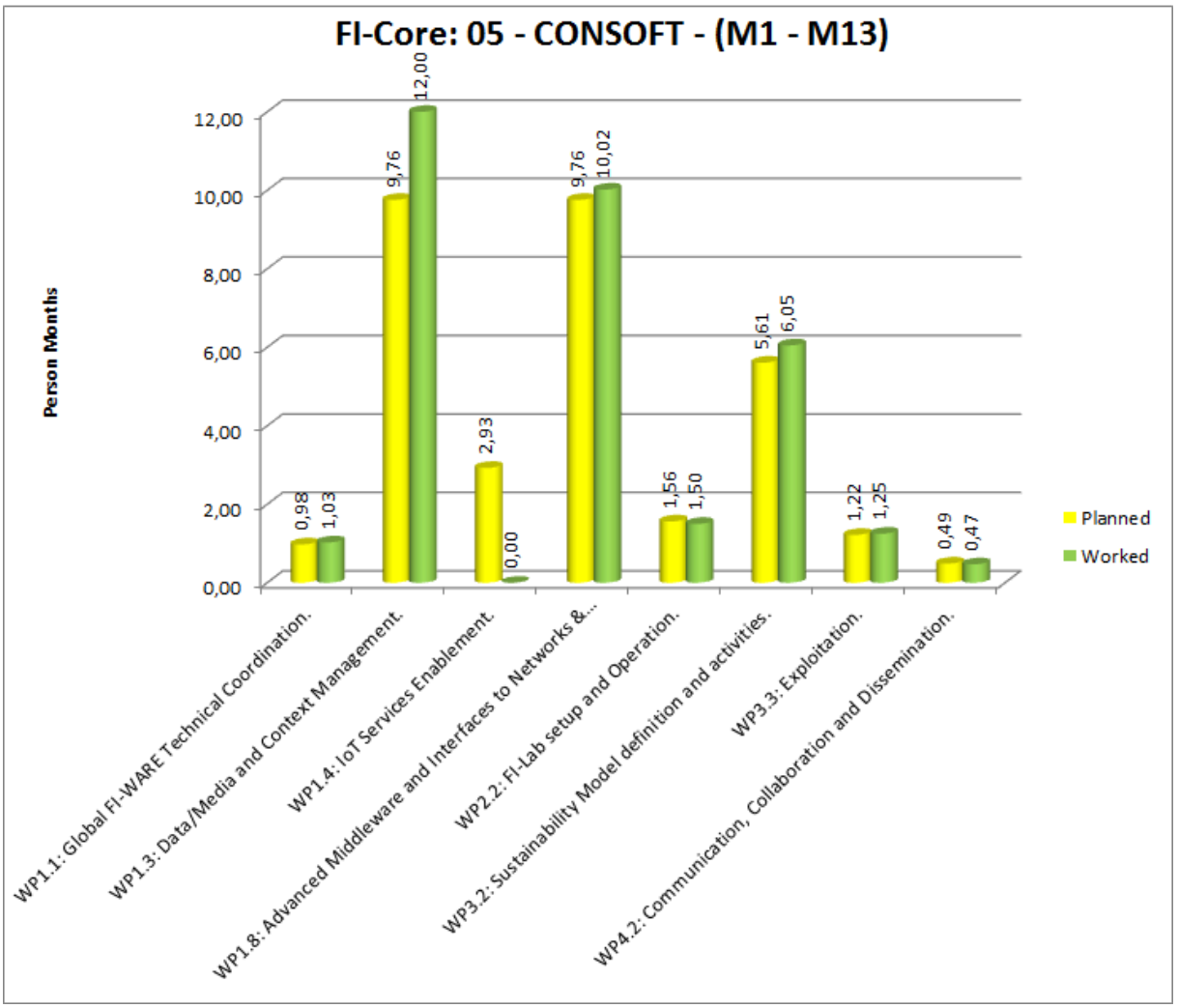
WP2.2: As mentioned above, we invested extra effort in stabilizing our GEs in FIWARE Lab, reported under WP 2.2 (associated with both Cloud and Data GEs)

WP3.2: Our involvement in WP3.2 was below initially expected scope due to the changes in roles in the work packages, where majority of the effort was assumed by the 'core' industry partners.

WP3.3: Given most of our exploitation efforts are targeting the open source community, large portion of our effort in WP3.3 is expect during the second year, after we finish the internal development stages.

WP4.2: We expected larger investment in dissemination during the second year of the project, hence the effort during the first year was below average.

1.2.5 05 - CONSOFT

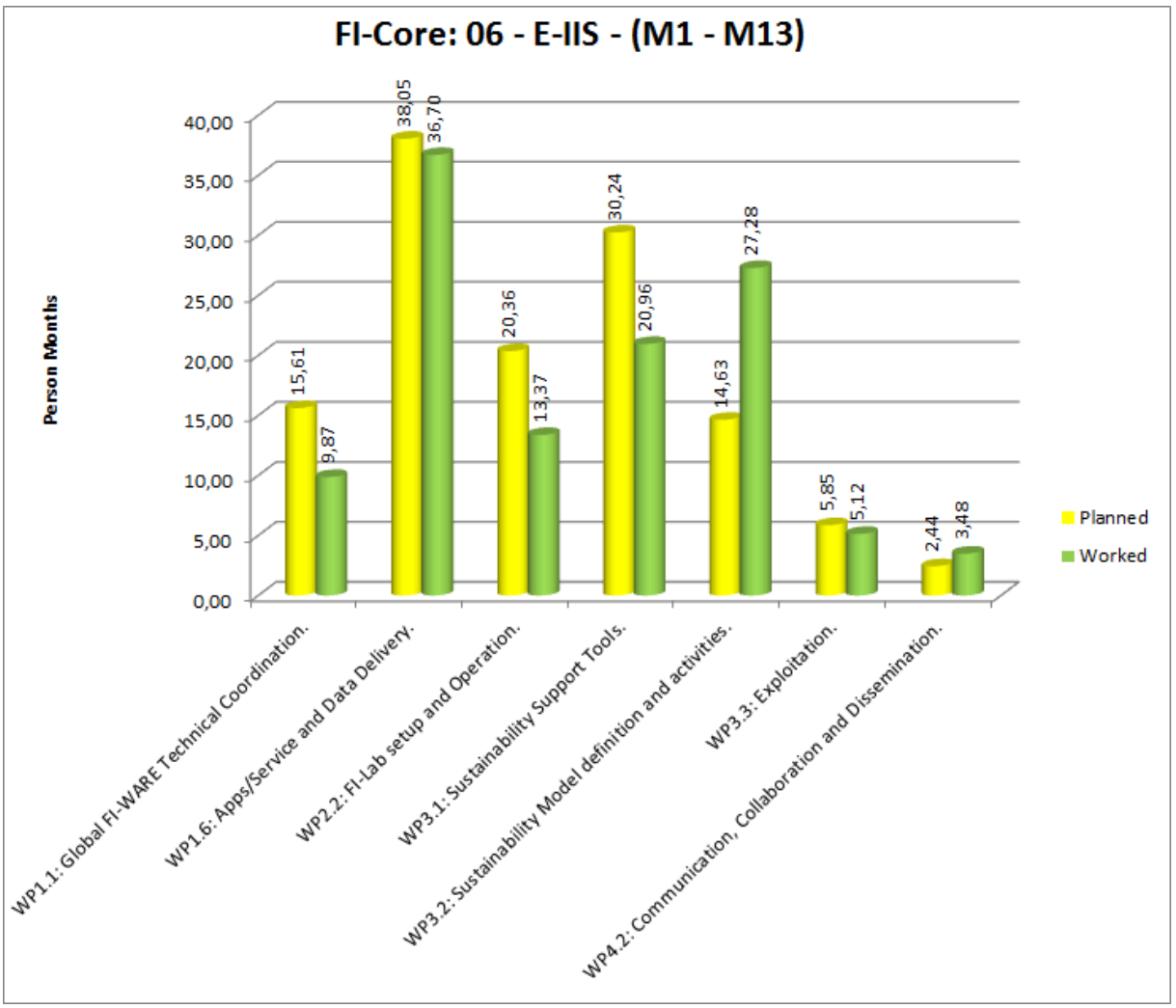


Explanations of the deviations (>10%):

WP1.3: Consoft contributed to the development of two new GEs started, and this activity required a more consistent approach to make sure they can be made available by the end of September.

WP1.4: Consoft together with TI planned to only support the existing GE (ZPA), without further developments in IoT chapter. It did not consume resources for this chapter. A redistribution of effort to other chapters where Consoft is involved has been proposed.

1.2.6 06 – E-IIS



Explanations of the deviations (>10%):

WP1.1: The activities related to T1.1.2 stopped in the summer and it must be also considered the shift of effort we asked from WP1.1/T1.1.2 to WP3.2. This is included in the current amendment.

WP2.2: Due to the critical situation of the operations of FIWARE Lab as a whole, i.e. the difficult behaviour of all nodes, at the level of FIWARE management it was agreed to start wp2.2 in march 2015 instead of september 2015 as in the original DOW. In this task context a specific recovery task force have been created under the coordination of Engineering.

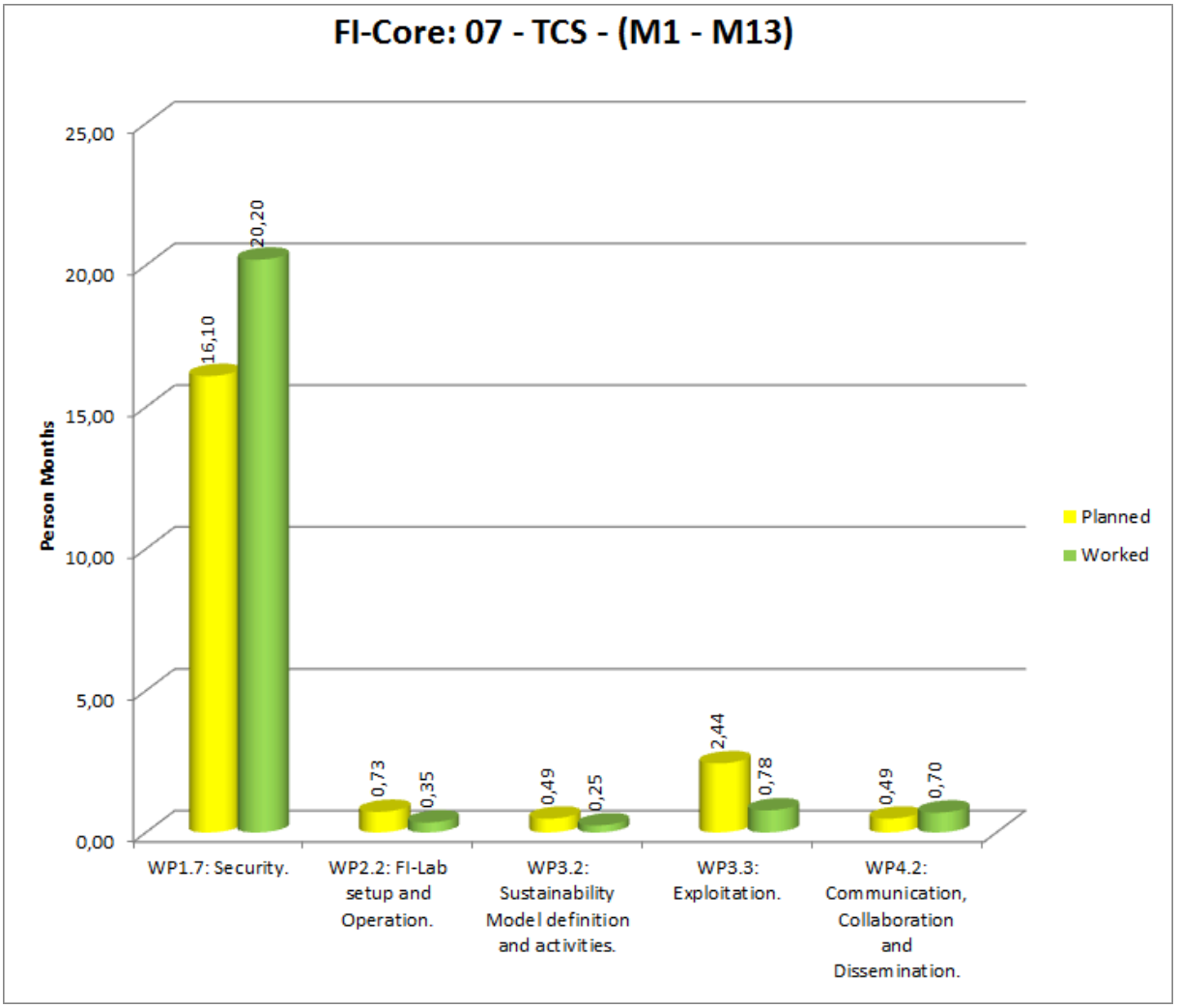
WP3.1: The planned effort does not take into account the shift of 18 PM to WP3.2. This is included in the current amendment. It was communicated already in April 2015 that E-IIS intended to shift 18 PMs from WP3.1 (6 PMs from T3.1.1 and 12 PMs from T3.1.2) to WP3.2/T3.2.2, where E-IIS is task leader but without effort in the previous DoW. Having minus 18 PMs, the total effort in WP3.1 for E-IIS in the amended DoW will be 44 PMs. Thus, the actual reference value for planned effort from M1 to M13 is 22,8 PMs, with respect to this value E-IIS spent effort for the period is almost in line.

WP3.2: The planned effort does not take into account the shift of 27 PM from WP1.1 and WP3.1 to this WP 3.2. This is included in the current amendment. It was communicated already in April 2015 that E-IIS intended to shift 9 PMs from WP1.1/T1.1.2 to WP3.2/T3.2.3 (where E-IIS is hugely involved in coaching activities without adequate effort in the previous DpW) and 18 PMs from WP3.1 to WP3.2/T3.2.2 (where E-IIS is Task Leader without any effort in the previous DoW). In the amended DoW, the total effort of WP3.2 will increase of 27 PMs and will become of 67 PMs. Thus, the actual reference values for planned effort from M1 to M13 is 29,64 PMs, with respect to which E-IIS spent effort during this reporting period is in line.

WP4.2: Engineering is one of the four founding members of the FIWARE Core Industry group and the increase of effort spent in this wp is another manifestation of the strong commitment in pursuing the adoption of FIWARE. In fact, in addition to the many events where the company was present, both as speaker and as attendee (to increase the networking strength), several specific encounters to boost the commercial adoption of FIWARE have been organised with the company clients. In this context many meetings have been organised at national, regional and city level for what concerns the adoption of FIWARE by the public administration in general and as national platform for smart cities in particular.

Beside such external meetings, several internal FIWARE workshops have been held to train company's developers on the use of FIWARE. At the moment have been trained, in several occasions, more than 100 developers belonging to the public administration division of Engineering.

1.2.7 07 - TCS



Explanations of the deviations (>10%):

WP1.7: A little overspending was already there at M10 (around 10%) but, for the last 3 months, there was an increasing activity due to the last EC recommendations. To stop the new GE developed by TCS has a cost because all activities had to be performed before M13 for the last release of this GE. That's why TCS has mainly consumed more PMs than initially planned.

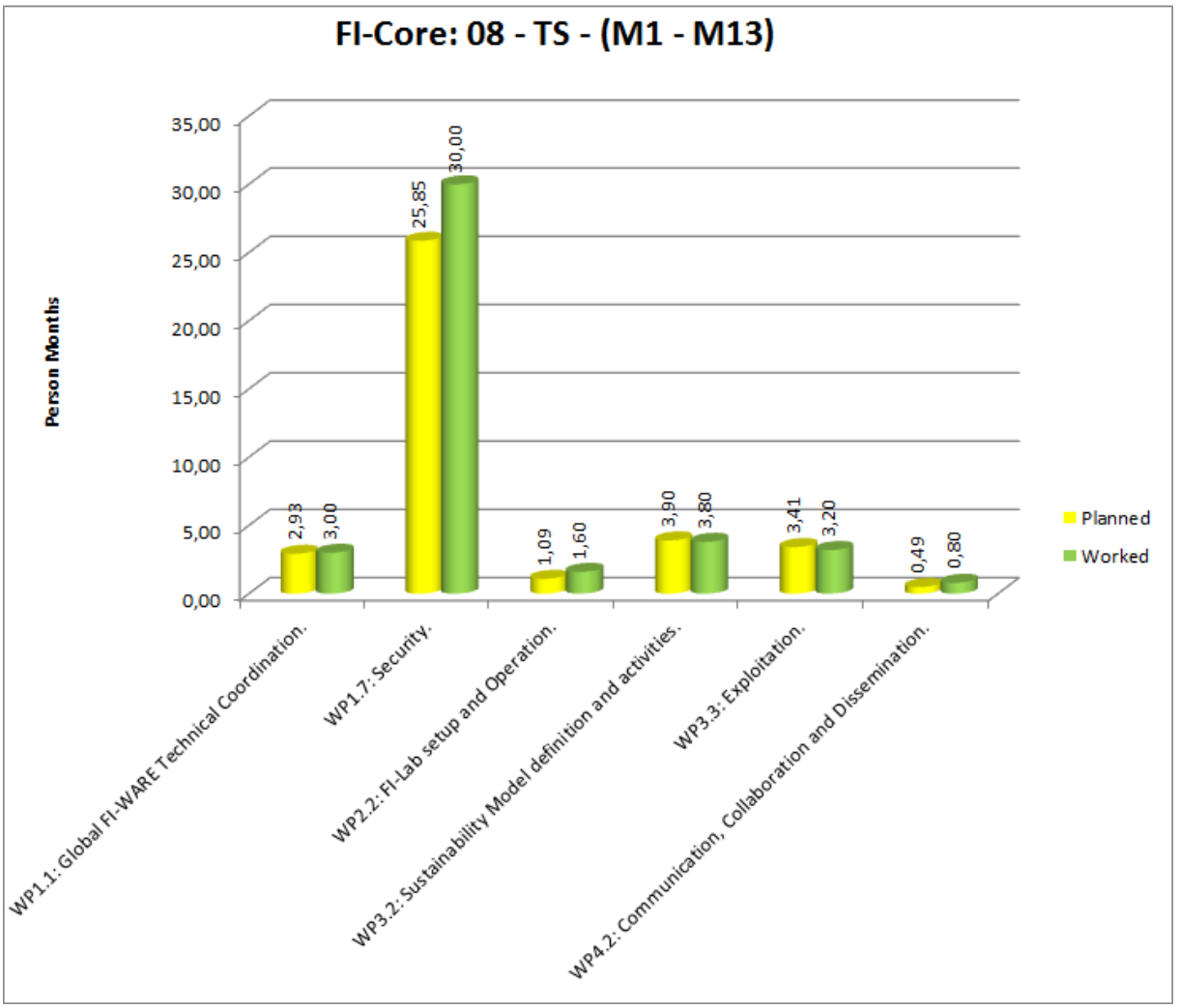
WP2.2: TCS was involved in the development of a new GE and the first version was delivered only at M13. So the FI-Lab activity has started lately.

WP3.2: A part of this activity was done for the first version (due at M13) but not all because it was planned to increase the effort during the 2nd year.

WP3.3: TCS was involved in the development of a new GE and the first version was delivered only on M13. So the exploitation activity, initially planned during the first year, was mainly postponed for the second year.

WP4.2: TCS had the opportunity to present FI-core in different events and has a little bit more used PM for that.

1.2.8 08 - TS

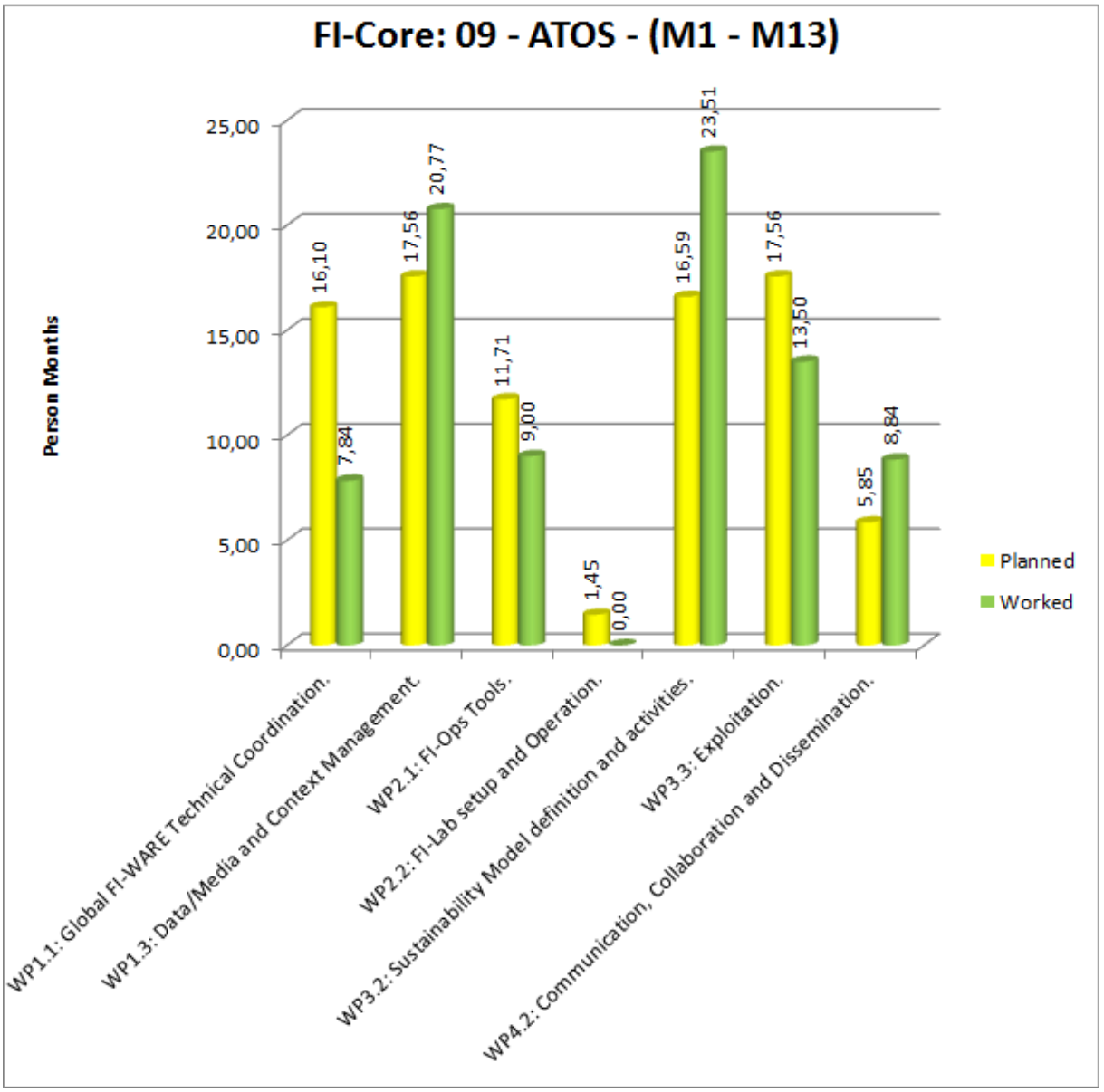


Explanations of the deviations (>10%):

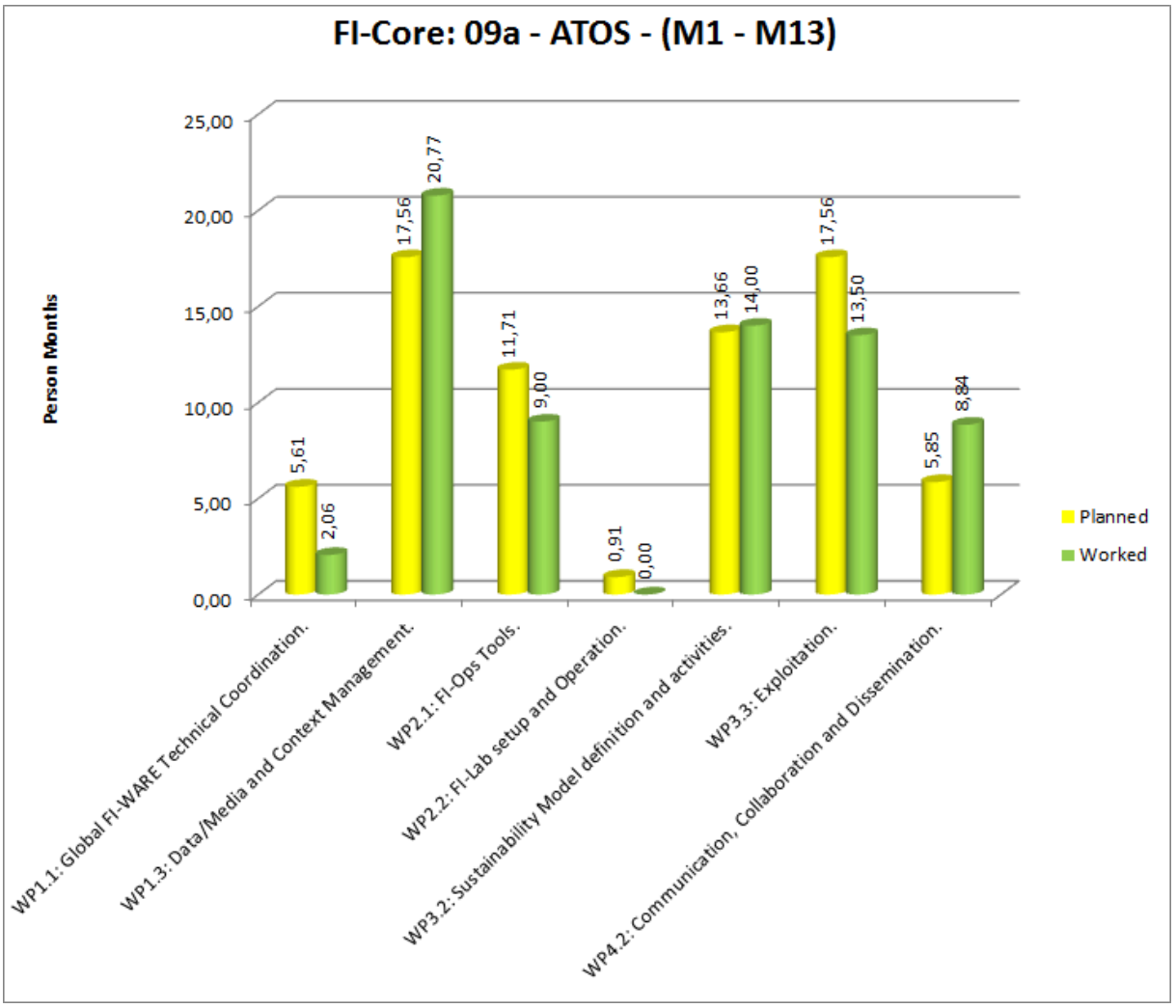
WP1.7 More resources than initially planned were consumed due to the two new GEs introduced (i.e. PDP GE and Cybersecurity GE) also the level of the completeness targeted for Those GEs for major release R4. Also some more effort was requested to PDP GE with other Identity and Access Management GE (namely IdM GE and PEP GE).

WP2.2: A bit more resources was consumed mainly due to slightly more work demanded than initially expected.

1.2.9 09 - ATOS as beneficiary



1.2.10 09a - ATOS



Explanations of the deviations (>10%):

WP1.1: In this task, the deviation for Atos Spain is negative, and it is totally coherent with the reality since the most of the work in this WP is done by our Third Party in Turkey. Then, less people than expected is contributing to this task from Atos Spain. It's worth mentioning that the work related to this task was done by the team's leading and defining the Manufacturing live demo. However, as the project direction has changed into focusing on different activities, we have not consumed all efforts allocated to this WP: the redirection for example removed the Live Demos activities where Atos had most of its efforts.

WP1.3: This WP the efforts were higher than planned and we indeed reported more efforts in this WP because there was a reorganization of Atos teams dedicated to this WP. We replaced the GE Event Driven Orchestration that was planned initially by the Cloud Messaging (AEON) GE.

A first release of the Cloud Messaging GE (AEON) functionality is already operational, and as such the dedication and effort was higher than planned, we concentrated efforts to finally publish the GE in the FIWARE catalogue and all the work associated to make it compliant

with it. That means, adapt the existing documentation to the FIWARE specific formats and generate new one, adapt their working methodology to fulfill their development requirements.

Nowadays, AEON is deployed in FIWARE LAB and accessible from the FIWARE catalogue, available for anyone that is willing to use it.

The AEON Cloud Messaging has been already published in the FIWARE Catalogue (http://catalogue.fiware.org/enablers/cloud-messaging-aeon). To reach this point, several improvements have been performed. Among these, it is possible to find the dockerization of the platform using several containers to be deployed and providing one single docker-compose file to orchestrate them. We have provided another deployment method based on puppet recipes. Through this method, the user can deploy his AEON instance by running a single script and making a very little effort of configuration.

On the other hand, all these processes can be described in the official documentation tool from FIWARE (http://aeon-platform.readthedocs.org/en/latest/). Also, the AEON Cloud Messaging GE code has been released in Github. There are 5 repositories containing the different modules (https://github.com/atos-ari-aeon/).

Also the team has provided several sessions for training purposes for FI-Core project and other stakeholders outsiders. We have also prepared material and did an internal webinar about AEON and we have set up mechanisms to have material available for FIWARE hackathon's, events etc. to demonstrate the AEON's features to the different accelerator projects, SME's, interested entities.

AEON is part of ATOS' offering and we did a series of internal webinars and trainings to commercial people, as well as including it in commercial offers. AEON has been used in the transport domain so far by external entities and ATOS continues its development and extensibility of its usage.

WP2.1: Our dedication (in efforts) compared to the initially planned in this WP was not fully used. Dedication of the team involved in the project took different time than planned, and therefore a slightly deviation of less efforts has been reported.

Atos contributions in WP2.1 are divided into two parts:

Task 2.1.2: Platform operation tools contributions have been focused on the extension of the SLA Manager inherited from the project XIFI. Also, the transfer of the SLA asset and adaptation to FI-Core implied less efforts than initially thought/planned. Now, the SLA consists on the implementation for support of guarantee terms based on monitoring metrics from historical analysis (availability based on metrics over the past 24 hours, for example). This work has included the identification of metrics to monitor.

In the Fi-Toolkit tools, corresponding to **T2.1.4 Support tools** task, our work has been focused on the plan and analysis for early development of the flavor creation and synchronization. An early analysis was performed and considered contextualization tools baseline for OpenStack and external solutions coming from research projects such of OPTIMIS. Each of these tasks have been complemented by the proper study on the state of the art, research on existing components to reuse as any components as possible.

Moreover, coordination of the Task 2.1.4: Support tools (that deals with the Fi-Toolkit development and implementation) has been also our duty.

WP2.2: In this WP ATOS hasn't reported any efforts because simply the WP hasn't started for us: in the original DOW this WP was planned to start in M13 (September 2015), so the deviation is because there's reorganization and the WP begun in M8, (it will be included after the amendment). ATOS doesn't follow this new plan ATOS will start working in this WP end of M13 as planned originally.

WP3.3: In this sense the deviation is minor, however sensitive because we have been working on exploitation activities as planned, we have participated in the commercial alliance between four main companies (Telefonica, Orange, Engineering and ATOS) to push for common intentions for Smart Cities based on the FIWARE platform. This announcement was made in the 2015 edition of the Mobile World Congress and is a starting point to make FIWARE a sustainable solution for cities. Apart from this, and as said before ATOS has actively participated in the OASC (Open & Agile Smart Cities Initiative).

Also, we have being engaged in commercial and training activities to prepare the work as regards commercial steps we want to accomplish to both start transferring advantages of the benefits of FIWARE and fostering the usage of FIWARE internally, we have already set up meetings, webinar and trainings activities with other Atos business units and provided commercial offers to other potential customers. Also, the exploitation plan has been delivered in September as planned originally.

WP4.2: In this WP the deviation is clearly high because right from the beginning the efforts were under estimated and they do not cover all dissemination/collaboration activities where ATOS is engaged. One of the reasons for investing more effort is the active participation in the Steering Committee and support to the overall FI PPP coordination activities and working beyond the project as such, but promoting FIWARE and organizing many liaison activities and working on the activities such as the FIWARE Mundus.

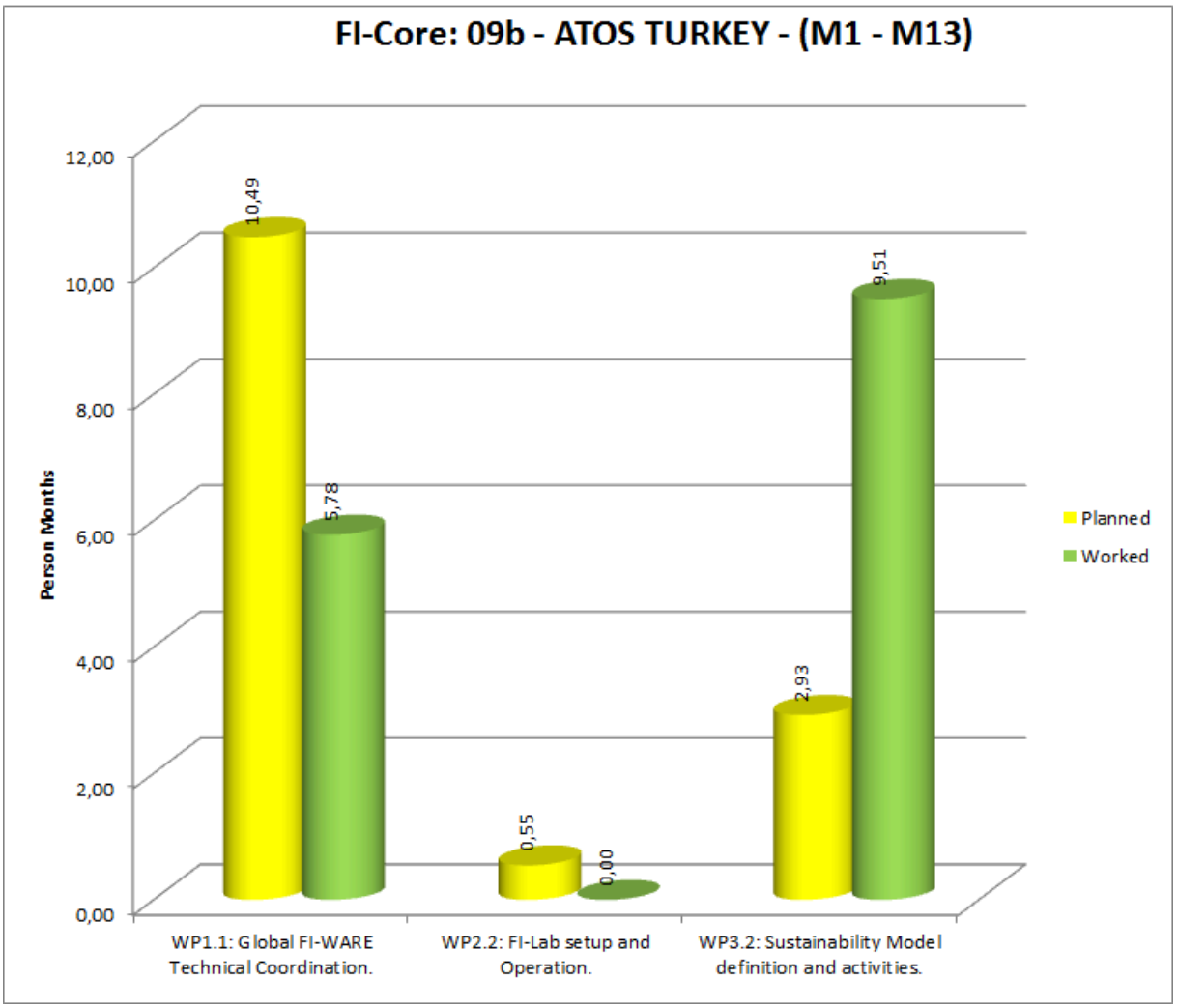
We have been especially active in following up activities at national level (contacts with Member States and data-related or Future Internet focused activities sin national programmes), having participated to numerous dissemination activities, at local level and international to promote FIWARE, both on behalf of FIWARE and on behalf of ATOS and meetings all over Europe, and managing all liaison activities with other EU initiatives (European Open Data Portal and in general data-related activities, Connecting Europe Facilities, unit on Cyber Physical Systems with an aim of bringing FIWARE closer to industrial domains like manufacturing, other PPPs such as 5G or Big data, as well as EIP, especially the one focused on Smart Cities and Communities)

In these pasts months as a result of the commercial implications and novelty of the OASC initiative and the alliance for common standards for Smart Cities based on the FIWARE platform more communication, collaboration, and dissemination activities came up. Especially the dissemination work was bigger than originally planned and we participated in the Mobile World Congress, NET FUTURES, CEBIT, Connected Smart Cities Conference, Active and Healthy Agency presentation to name a few.

Of special interest has been the plan to focus on very concrete collaboration areas such as Smart Cities, and the meetings organized by the EC, commercial activities organized by ATOS with some potential customers, attendance and active contribution to the Connected Smart Cities Conference in January 2015, among others. Also, to recall the collaboration between FIWARE programme projects, including collaboration with A16 group, Coordination and support actions, etc.

Apart from this also ATOS is responsible for managing all collaboration proposals that are constantly arriving from outsiders, companies, institutions, SMEs, etc., and we have invested more time than planned to manage the tickets requests and in evaluating their feasibility and working to provide a professional response and adequate service.

1.2.11 09b - ATOS TURKEY



Explanations of the deviations (>10%):

WP1.1: In this WP, we reported fewer efforts than planned. Despite ATOS is leading Task 1.1.2 Live Demos, this specific task begun slower than expected due to late agreement on the scope of the task. Once agreed on clear objectives, some DEMOS were elected and we started to work on various scenarios. However, after some time, the scope was adjusted again to revise the type of demos/showcases need it to sell FIWARE to outsiders and nowadays this task is being stop and there's new focus. Therefore, the remaining effort will be allocated to other new tasks.

WP2.2: In this WP ATOS hasn't reported any efforts because simply the WP hasn't started for us: in the original DOW this WP was planned to start in M13 (September 2015), so the deviation is because there's reorganization and the WP begun in M8, (it will be included after

the amendment). ATOS doesn't follow this new plan ATOS will start working in this WP end of M13 as planned originally.

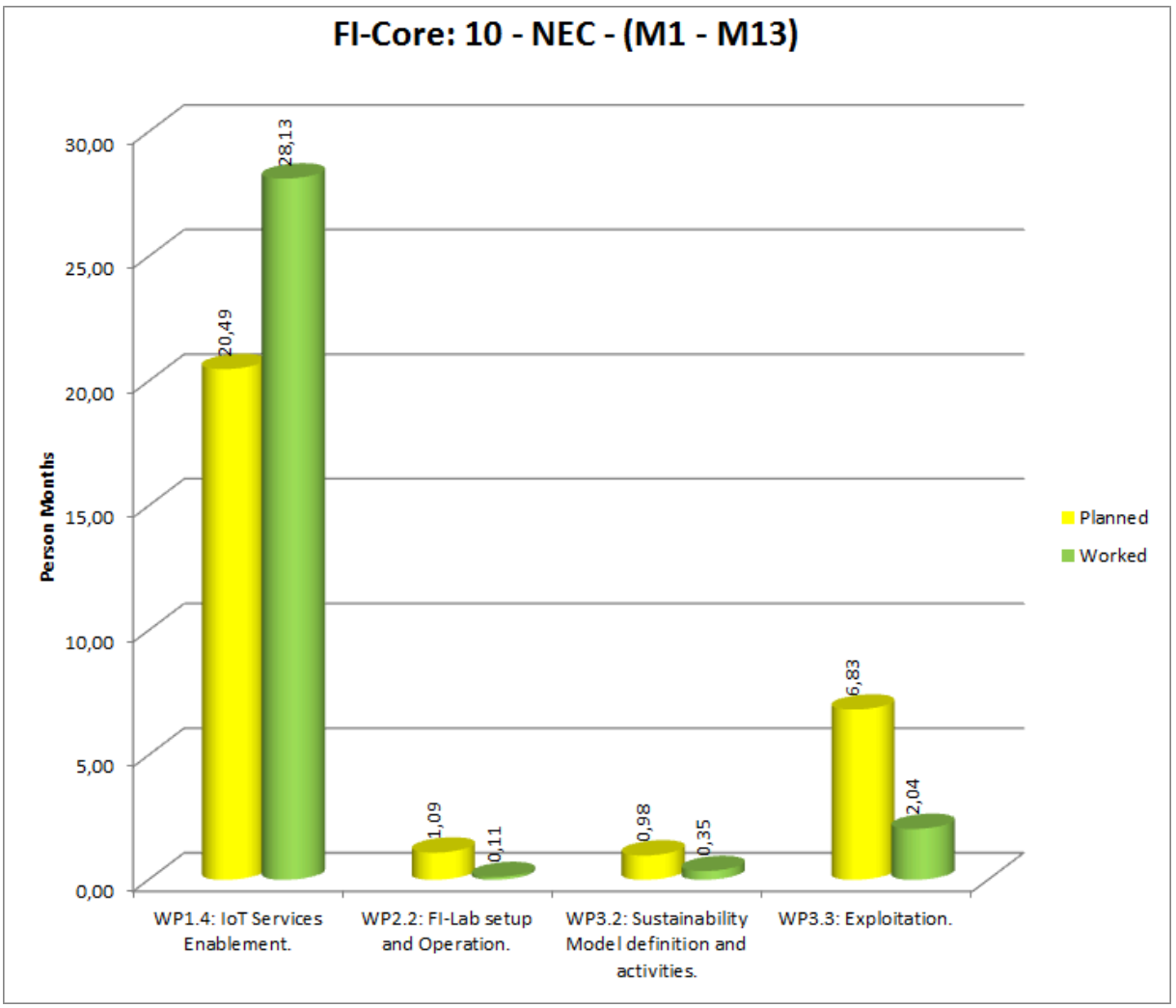
WP3.2: In this WP the deviation is high; we have used much more efforts than initially planned clearly because of the activities carried out in the context of **Task 3.2.3 Technical coaching**.

Coaching activities has become a central activity for ATOS TURKEY as we worked hard to provide the best and adequate services, qualified responses and on time. We invested time and effort of our team and our developers in the FIWARE developers weeks to receive full training on GEs and its usage, development, features etc. all this effort to provide a professional response and on time.

Some activities implied defining evaluation process (the accelerators calls), coordinating with all FIWARE stakeholders the processes and definition of measures to evaluate the results from the different open calls, providing training and guidance to the accelerator teams on FIWARE criteria evaluation, providing technical training and one-on-one coaching to accelerator SMEs, answering comments and questions from SMEs and accelerator teams by ticketing/mails, assisting SMEs with the Fiware Lab Community Account Upgrade process, and carrying out a Fiware assessment on the granted SME projects. We have coached four different projects: SmartAgrifood, FRACTALS, FI-ADOPT and FINISH. And as such, we have dedicated more time than planned in evaluating accelerators proposals, on FIWARE training and support to SMEs and accelerator teams.

Thus, the reason of the deviation is the overload in the coaching task, which has been indeed much more than expected when we planned the effort and this tendency continues. The number and level of the received requests of support have been more than foreseen, and for the sake of providing a good service, we have spent the required effort without considering the limit by the plan.

1.2.12 10 - NEC



Explanations of the deviations (>10%):

The resource plan shown in the above figure assumes a balanced distribution of task resources over the complete project lifetime. However the normal project progress is such that the focus first lies on technical work (here WP1.4) with a decreasing engagement towards the end of a project, while the exploitation and maintenance activities (here WP3.2 and WP3.3) have a slow start and significantly increase towards the end of a project. Considering this typical project lifecycle, the resource consumption of NEC is on track.

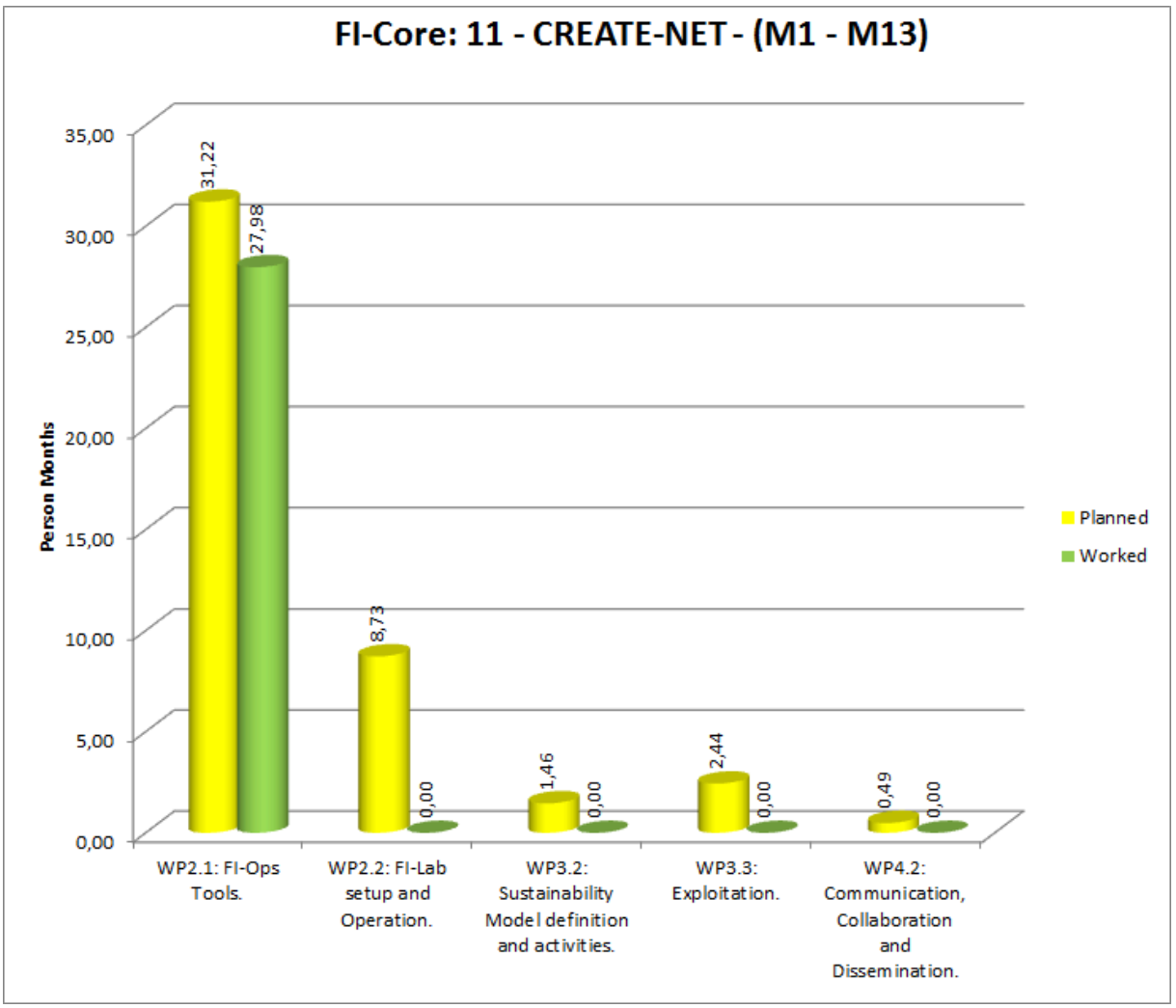
WP1.4: NEC started the work in this WP with full engagement to significantly improve the usability of the GE and to prepare it for adding new features. New staff members became involved in the project and were trained by the experienced colleagues, which resulted in an overlapping involvement of workforce. Further, NEC prepared and performed dissemination activities (Paper, Poster exhibition, talk at IoT Week), as well as some support actions for the usage of the GEs to project externals (incl. a developer's week), which for formal reasons (NEC had by mistake no dissemination resources) needed to be accounted to this technical WP on advise of the project management. In July, normally holiday time with low engagement, NEC organised a face-2-face IoT chapter meeting in Heidelberg. In this meeting the architecture, the key functionalities of the GEs, the interaction between the GEs and the protocols have been reviewed and optimized, several NEC delegates were involved.

WP2.2: For WP2.2 the plan for the first year was to mainly monitor it or contribute to it with very low investment in the first year, the effective work in this task starts after M12.

WP3.2: The deviation in absolute numbers is marginal. Considering the planned increased engagement in Period 2 the WP involvement is on track.

WP3.3: At this first Period of the project, the project promotion activity of NEC was focussing on dissemination rather than on exploitation. In Period 2 exploitation activity will become much more prominent for NEC. Already towards the end of Phase 1 NEC intensified the exploitation activities, be it in terms of standardisation, or be it in supporting FIWARE usage in Asia and New Zealand. Both activities will become a key activity for NEC in the remaining project lifetime and beyond.

1.2.13 11 – CREATE-NET



Explanations of the deviations (>10%):

WP2.1: despite the "planned" distribution of the effort is more or less linear, until the end of XIFI project (March 2015) most part of the operative activities were carried out under the XIFI hat, whereas only management activities were charged on FI-Core. After the end of XIFI project we are increasing the effort spent on FI-Core over the expected "planned" effort.

WP2.2: as far as Lab activities are concerned, Create-Net was involved in XIFI until the end of September 2015.

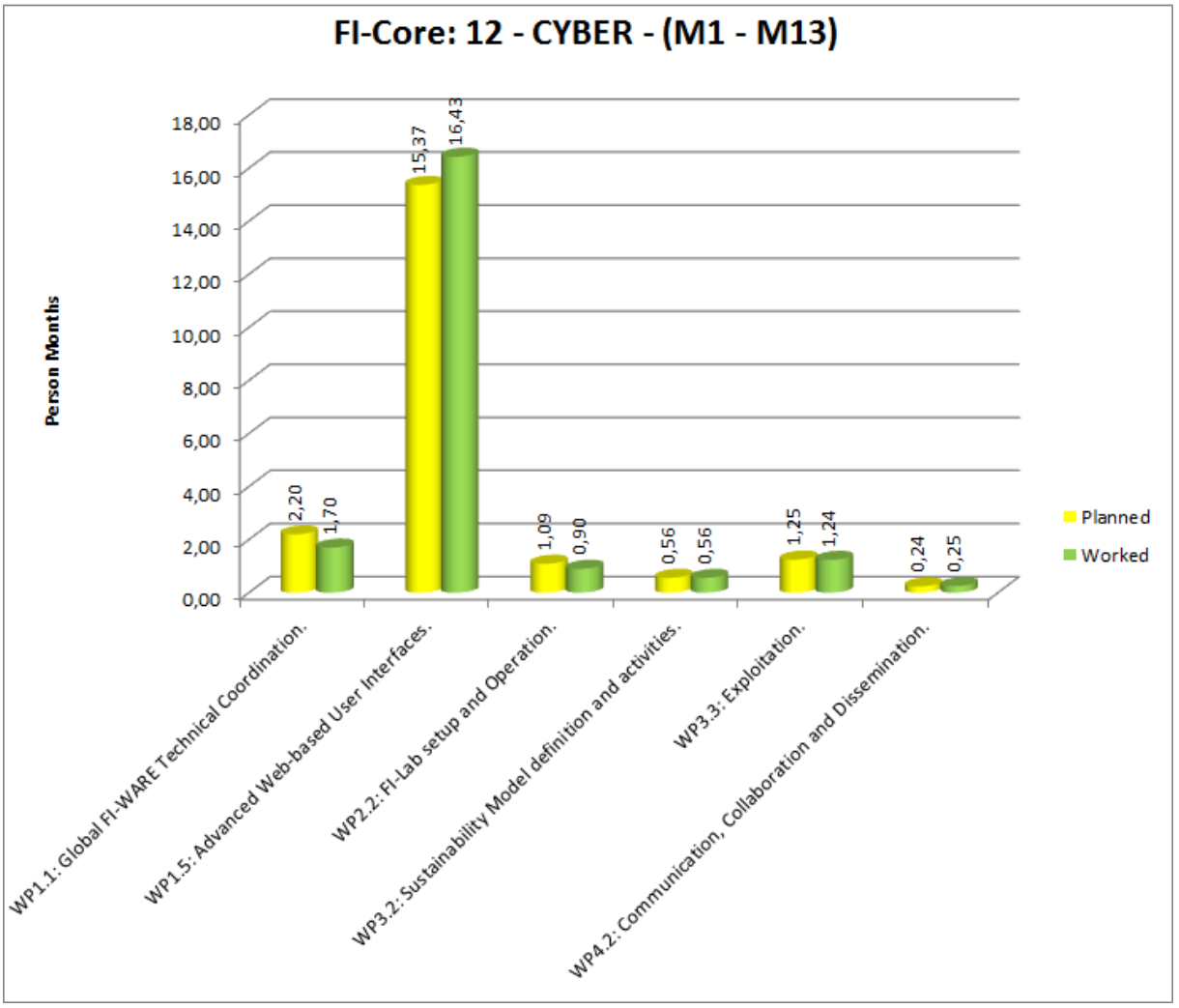
WP3.2: the "planned" distribution of the effort is more or less linear but till now Create-Net was not involved in any activities. Nevertheless this was expected. However in the future Create-Net knows that some duties should be carried out that will balance the current underspending.

WP3.3: the "planned" distribution of the effort is more or less linear but till now Create-Net was not involved in any activities. Nevertheless this was expected. However in the future Create-Net knows that some duties should be carried out that will balance the current underspending.

WP4.2: the "planned" distribution of the effort is more or less linear but till now Create-Net was not involved in any activities. Nevertheless this was expected. However in the future

Create-Net knows that some duties should be carried out that will balance the current underspending.

1.2.14 12 – CYBER



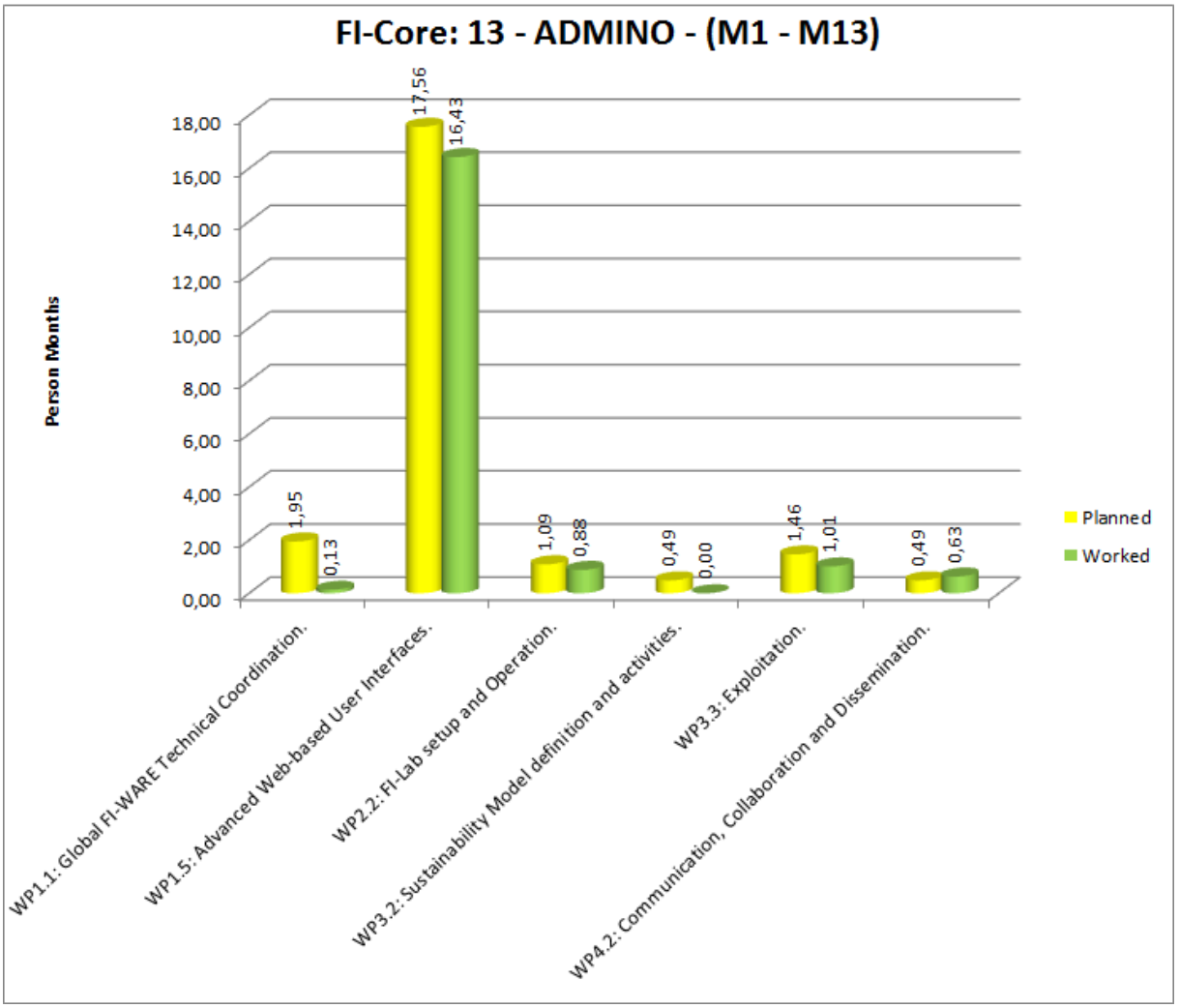
Note: The planning is particularized.

Explanations of the deviations (>10%):

WP1.1: Cyberlightning was responsible to provide support and development work towards different demo scenarios inside "Task 1.1.2 Live Demos", but actual needed effort was less than originally planned.

WP2.2: Support deployment and integration of owned GEis were provided as needed. However needed effort for this was little less than originally estimated, in example received support request were fast to solve and there was small amount of them.

1.2.15 13 - ADMINO



Explanations of the deviations (>10%):

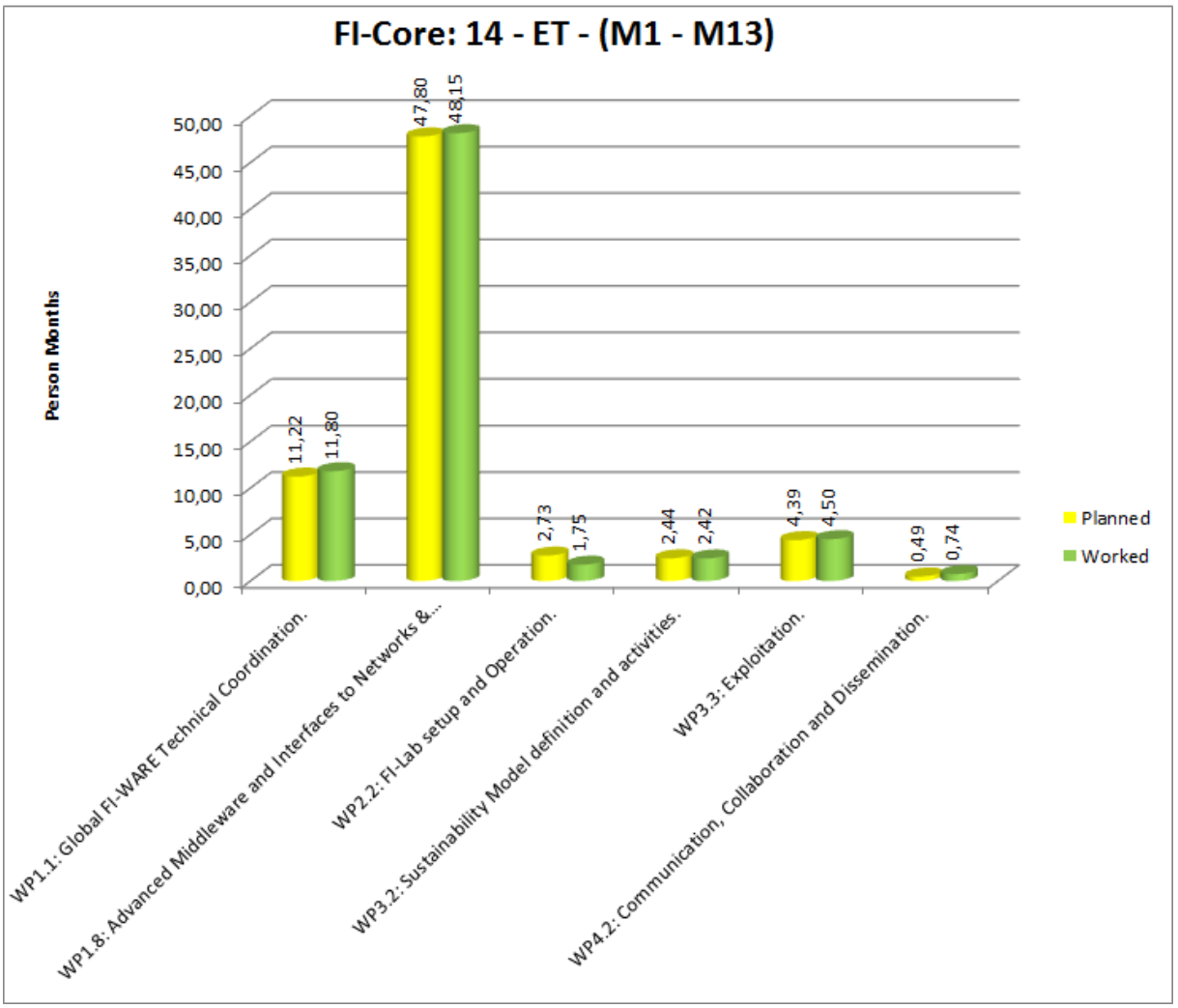
WP1.1: Adminotech attended Live Demo meetings while they were still arranged with the thought of providing a virtual reality 3D software platform for the demos. Discontinuation of the task and fewer meetings required less effort than planned.

WP2.2: Effort working on Fi-Lab issues has been reported also in WP1.5, as it was difficult to separate it from the normal implementation/development work. Blueprints and images for POI GE delayed, but additional effort has been put to get it back on track.

WP3.2: This is expected to be executed later in the project.

WP3.3: FIWARE-based MAPGETS 3D city portal productized, launched and introduced in many events. Active participation in realXtend community continues, new code contributions from Adminotech to realXtend have been planned, but not yet committed. More tasks will be executed later in the project.

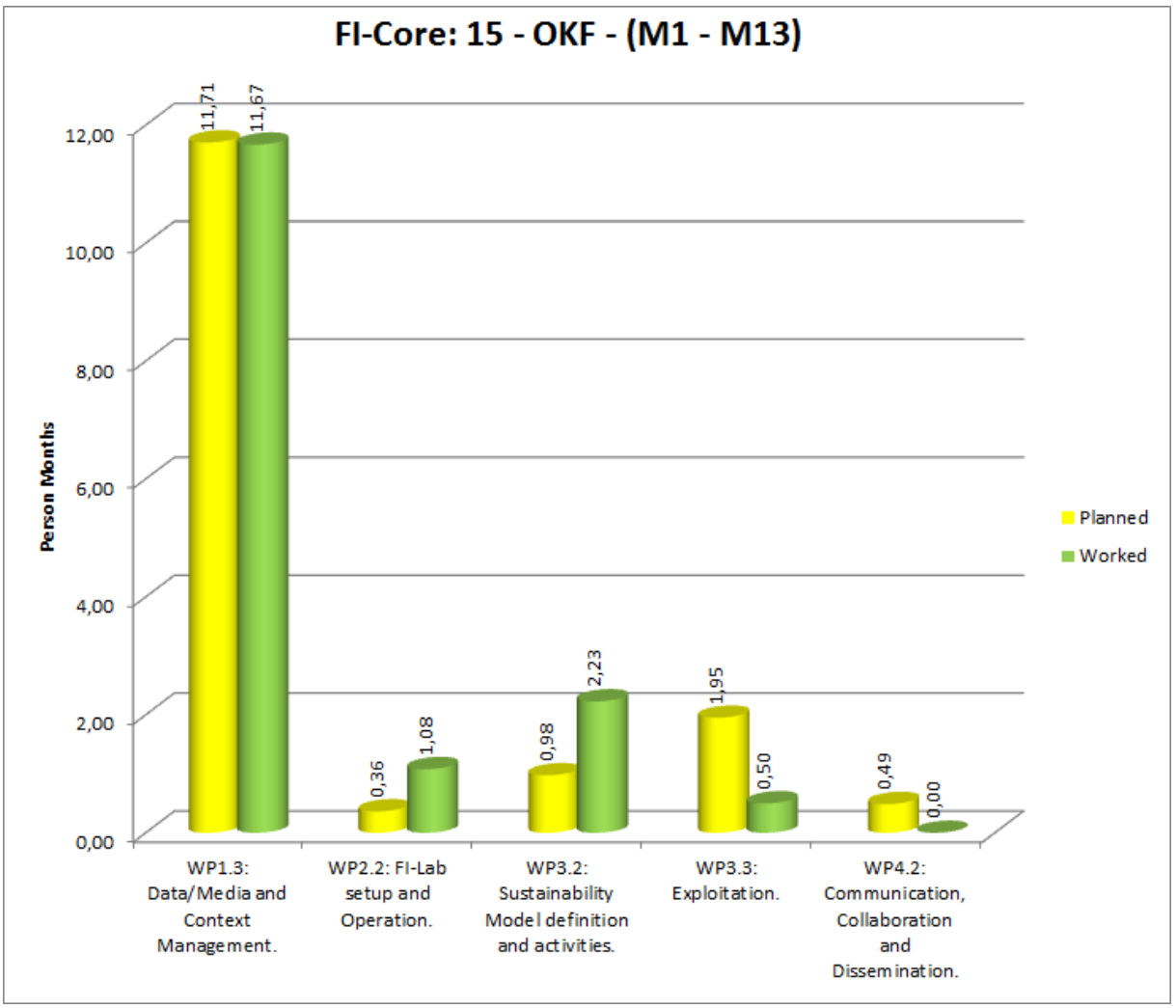
1.2.16 14 - ET



Explanations of the deviations (>10%):

WP2.2: We have been working with higher intensity on this task during these months due to the fact that our efforts related to this task were delayed from M7 to M11 according to the internal management of our development.

1.2.17 15 - OKF



Explanations of the deviations (>10%):

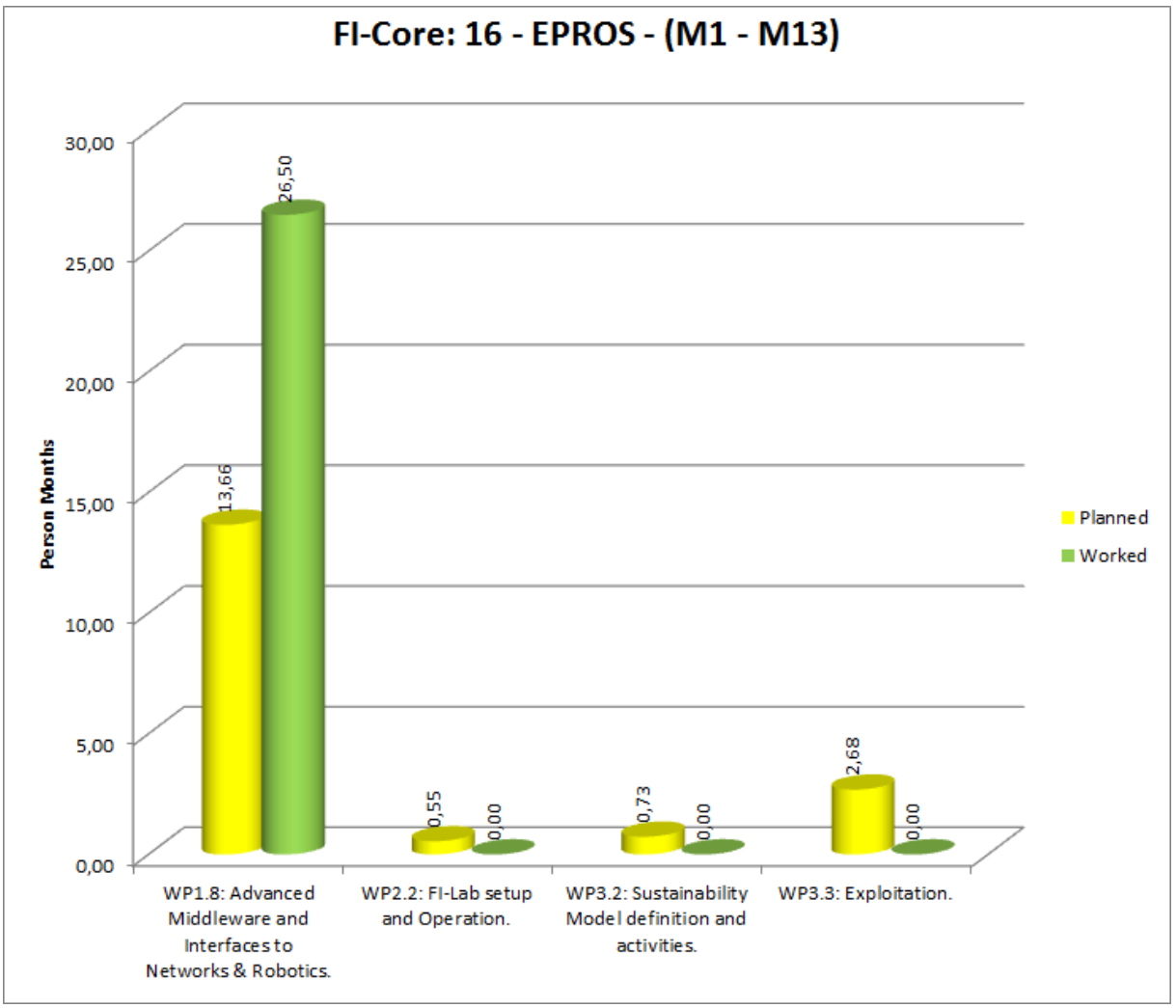
WP2.2 - Work has been done to make CKAN extensions used by FIWARE lab conform with CKAN's latest version. Work has also gone into making CKAN 2.3 deployable via FIWARE lab's chef scripts (as part of GEi implementation).

WP3.2 - Due to unavailability of certain members of the team focussed more on tests than originally planned. The tests have been useful and the difference will be made up over the next few months.

WP3.3 - Work has gone into making sure standardising on DCAT-AP for integration with other FIWARE partners. It turns out that an existing Swedish recommendation for DCAT-AP suited fine for our purposes so we have not had to spend too much effort on this WP. We do however frequently communicate with open source communities around CKAN as part of this WP.

WP4.2 - No special communication or dissemination efforts have been at this stage, largely because CKAN is still not fully deployable and thus nothing can be shown. This should be resolved imminently. Collaboration has fallen under WP3.3 around standardisation work.

1.2.18 16 - EPROS



Explanations of the deviations (>10%):

WP1.8: The main goal during the first year of the FI-CORE project was to publish the GE in the catalogue as soon as possible with almost all features ready, therefore most of the effort of the development is concentrated during this first year.

In May the Middleware GE was published in the catalogue, and currently is a complete middleware with:

- A modern IDL (Interface Definition Language)
- Request-Replay and Publish-Subscribe Patterns supported
- Dynamic Data Support

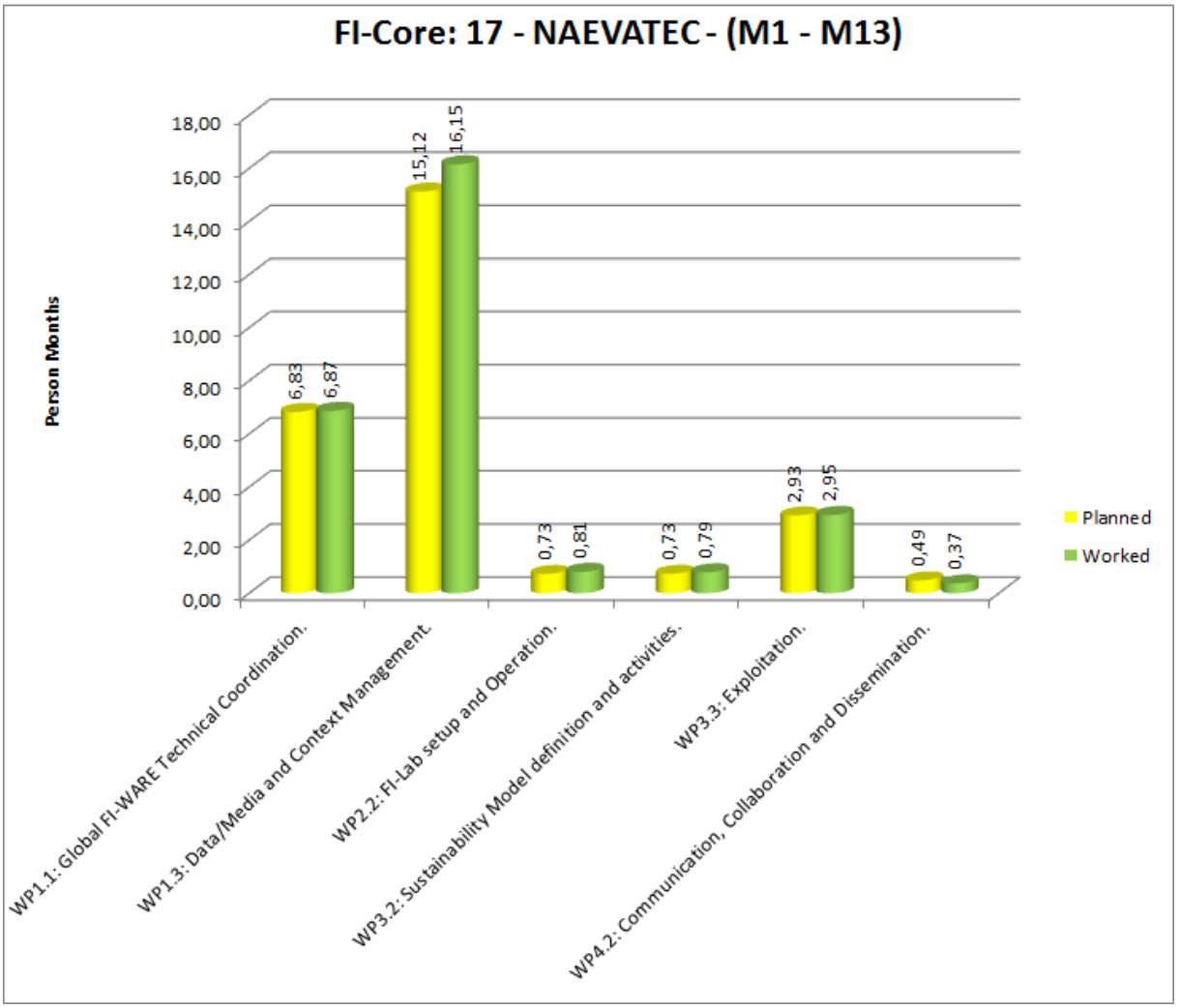
The Status of the four EPICs is the following:

- RPCBasicJavaFramework: Done
- RPCJavaDynamicAPI: Done
- JavaPubSub: Done
- RPCJavaSecurity: 20%

The middleware has been shipped with comprehensive documentation, examples and tutorials.

WP2.2,WP3.2,WP3.3: As explained above, during the first months of FI-Core we were concentrated in the development and publication of the GE. At this point we are starting with the other WPs, and an strong effort is expected for Exploitation during the next months.

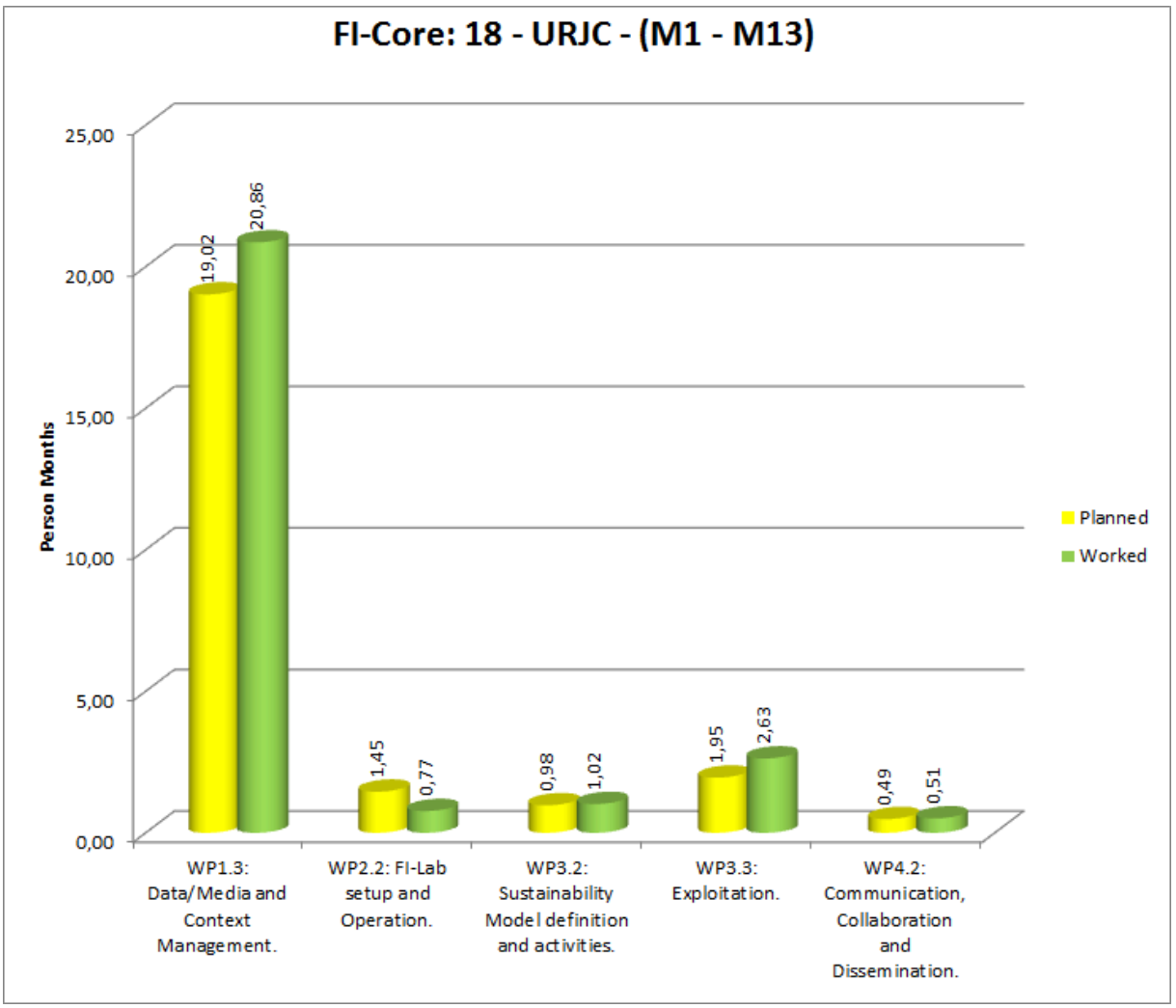
1.2.19 17 - NAEVATEC



Explanations of the deviations (>10%):

No deviations >10%

1.2.20 18 - URJC



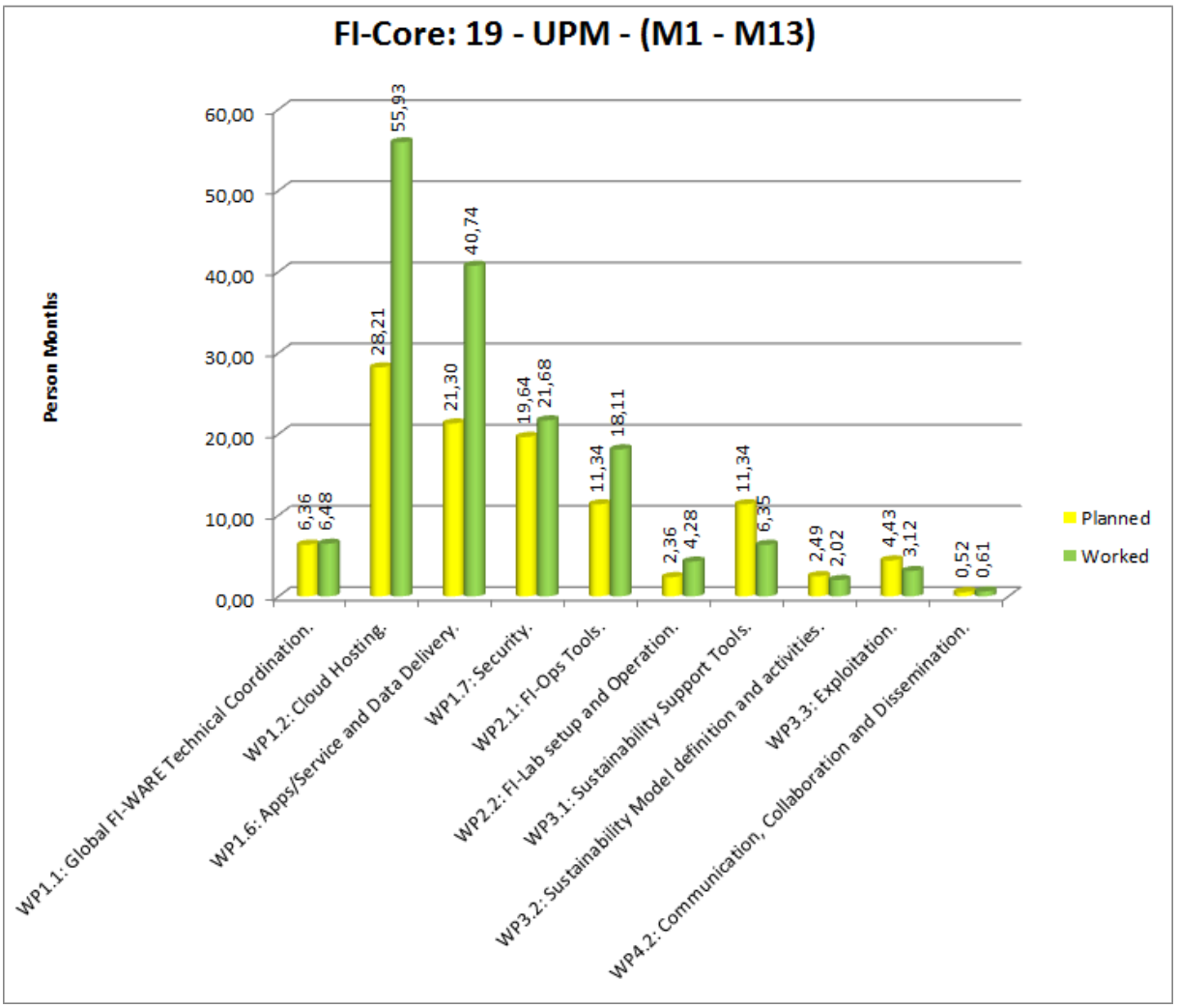
Explanations of the deviations (>10%):

WP1.3: The technological developments devoted to the Stream-oriented GEri (aka Kurento) are taking slightly more resources than expected mainly due to the commitment we have established to support WebRTC in all browsers. This commitment is making necessary to invest further time for managing different types of interoperability problems with browsers.

WP2.2: Effort devoted to FILAB operations are taking less than expected due to the efforts we made during the FI-WARE project for the automation of all of the major tasks involved on this WP. The efforts released by this are being invested in WP1.3 for enhancing our implementation.

WP3.3: The maintenance of the activity of the FOSS community and, very particularly, taking care of community requests and bug reports coming from the different available channels (i.e. StackOverflow, mailing list, bug-tracker) is taking significantly longer than expected.

1.2.21 19 – UPM



Note: The planning is particularized.

Explanations of the deviations (>10%):

WP1.2: There was a not proper planning for support, solve errors and attending the final users. This require much more effort. This was highly prioritized in this period so was heavy time consuming, even almost in real time. Also the functionality was not the initially expected. This imply some extra work, trying to the get everything synchronized to the last version for the platform and all the ongoing changes.

WP1.6: The deviation is at a large extent as a consequence of the transfer of the Revenue Sharing System (RSS) GE from Telefónica to UPM. After having achieved an agreement between UPM, Telefónica and Engineering (the later as WPL) in October 2014, Telefónica transferred its budget (and associated effort) in WP1.6 to UPM so that UPM could assume the ownership of the GE and continue developing and supporting it. Nevertheless, despite this agreement will be formalized in the first amendment to the project DoW and is therefore still not reflected in the planning (figure above), UPM assumed the ownership and started to work on the evolution and support of the GE from that moment (October 2014) for the benefit

of the project, to avoid blocking the roadmap of the GE and the support to the community of developers that are already using it. After this change, UPM became the owner of the entire FIWARE business framework, which ensures a more seamless evolution of the different GEs that conform it. Apart from this, UPM's figures (PM consumption) exceed the estimations also because for certain development phases, we are using lower profiles than those considered for the initial cost estimation (€/PM) because of the nature of the work, which implies a higher consumption of resources, but with lower costs being incurred. The planning does not reflect the actual costs being incurred, but these costs do not exceed our budget (considering the above mentioned budget transferred from Telefonica) significantly (i.e. deviations in the consumption of resources are compensated with the lower real costs of these resources in €/PM) and will not therefore affect our performance in the rest of the project. As a reference, Wirecloud has, as the time of writing, 153 tickets assigned in the HelpDesk, which clearly conveys an idea of the high level of demand of effort from the community of developers.

WP1.7: UPM developed a new version for the identity manager. This new version was a full rewrite based on OpenStack KeyStone. This required a bit more of work than expected (around a 10% of excess in effort), especially on the debugging and setting up the system.Even fixing some of the problems almost in 24/7 way to get the service up and running as soon as possible once it was deployed.

WP2.1: UPM's figures (PM consumption) exceed the estimations also because for certain development phases, we are using lower profiles than those considered for the initial cost estimation (€/PM) because of the nature of the work, which implies a higher consumption of resources, but with lower costs being incurred. The planning does not reflect the actual costs being incurred, but these costs do not exceed our budget significantly (i.e. deviations in the consumption of resources are compensated with the lower real costs of these resources in €/PM) and will not therefore affect our performance in the rest of the project. Also some tasks where redesign since changes on the Cloud Platform, specially regarding the introduction of Murano, make the description obsolete.

WP2.2: The budgeted effort was very low. Even though the deviation is more than 10%, it represents less than 1,7 PMs in total. As explained above, we are using lower profiles than those considered for the initial cost estimation (€/PM) because of the nature of the work, which implies a higher consumption of resources, but with lower costs being incurred. The planning does not reflect the actual costs being incurred, but these costs do not exceed our budget significantly (i.e. deviations in the consumption of resources are compensated with the lower real costs of these resources in €/PM) and will not therefore affect our performance in the rest of the project.

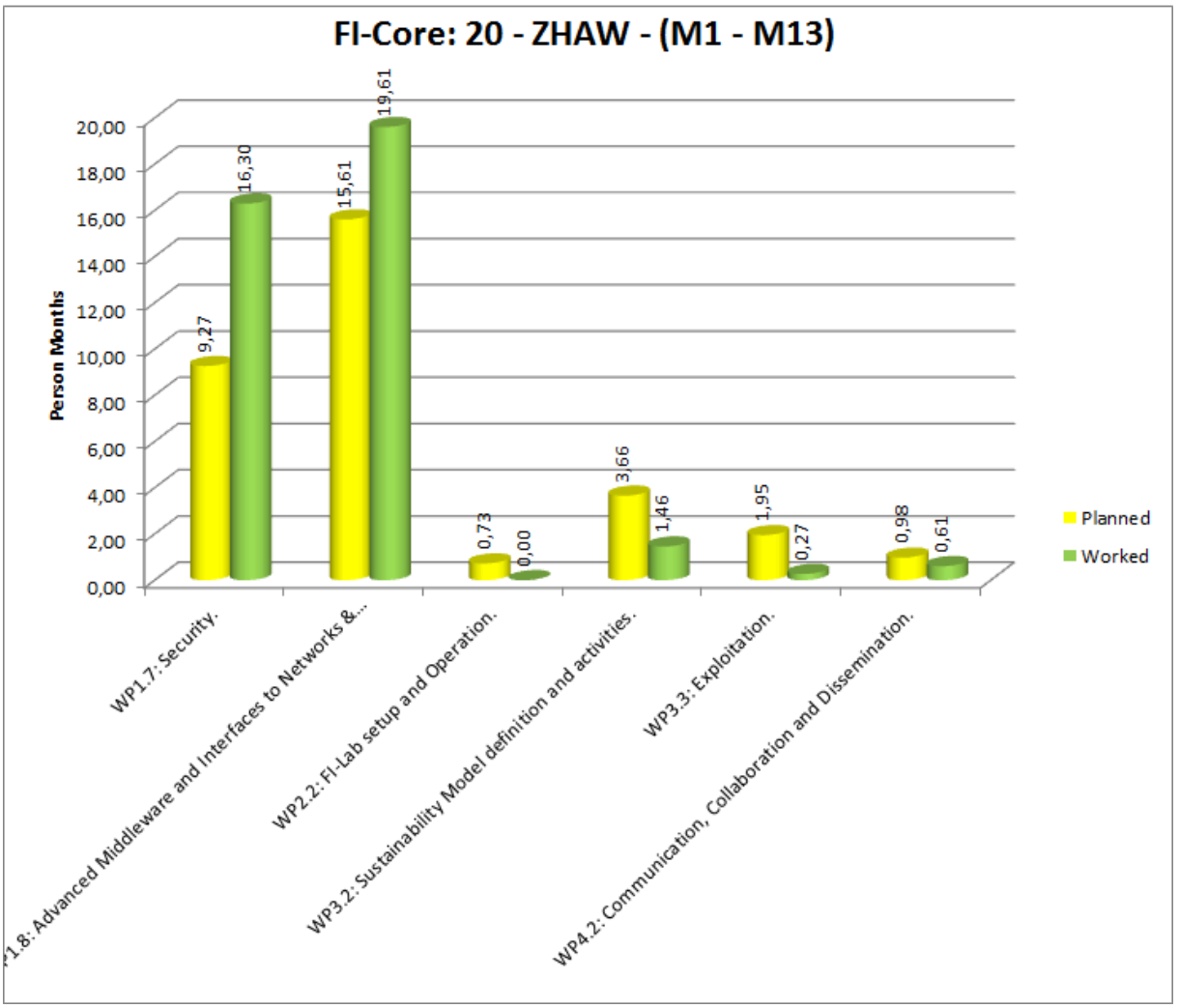
WP3.1: The tasks in this work was started later than planned. This was due to the fact that the initially planned work have to be redefined.

WP3.2: The budgeted effort was very low. Even though the deviation is more than 10%, it represents less than 0,5 PMs in total. As explained above, we are using lower profiles than those considered for the initial cost estimation (€/PM) because of the nature of the work, which implies a higher consumption of resources, but with lower costs being incurred. The planning does not reflect the actual costs being incurred, but these costs do not exceed our budget significantly (i.e. deviations in the consumption of resources are compensated with the lower real costs of these resources in €/PM) and will not therefore affect our performance in the rest of the project.

WP3.3: The budgeted effort was very low. Even though the deviation is more than 10%, it represents around 1,3 PMs in total. Some activities, like the launch of a joint task force with the TM Forum with regard to the FIWARE Business Framework (WP1.6) started a little bit later than planned.

WP4.2: The budgeted effort was very low. Even though the deviation is more than 10%, it represents less than 0,09 PMs in total. UPM is among the partners that shows more activity regarding dissemination, having attended 6 dissemination events during 2015.

1.2.22 20 - ZHAW



Explanations of the deviations (>10%):

WP1.7: There are three reasons for the deviation.

1. The plan in the DoW was for ZHAW to extend the existing Privacy GE. However, it was made clear to ZHAW at the kickoff that the existing GE was more of a library and did not fulfil the criteria for a GE. It was therefore expected of ZHAW to redesign the GE completely on usability grounds.
2. The initial plan, coordinated between TID and ZHAW was for ZHAW to release the Privacy GE in two parts: one in R4, and the other in R5. But the project coordinators pressured TID to in turn pressure ZHAW to release the entire Privacy GE early, in R4.
3. The original DoW had ZHAW's contribution to the Cybersecurity GE in a single sentence, "Zhaw contributor of additional functionalities on Privacy Preserving data sharing". However, it turned out that TID's expectation was for ZHAW to provide a number of fully-fledged web services.

All of these requirements went above and beyond the original plans and caused additional efforts to be expended for R4.

WP1.8: In this chapter ZHAW was involved in two new respectively redesigned GEi's.

- A completely redesigned implementation of the KIARA Advanced Middleware GE is available in the catalogue in its second release, supporting new advanced features as Request/Reply and Publish/Subscribe communication patterns, a modern IDL and dynamic data types. It also comes with comprehensive documentation, examples and tutorials.
- The Netfloc Networking GE is a completely new GEi, which had to be designed and developed from scratch.

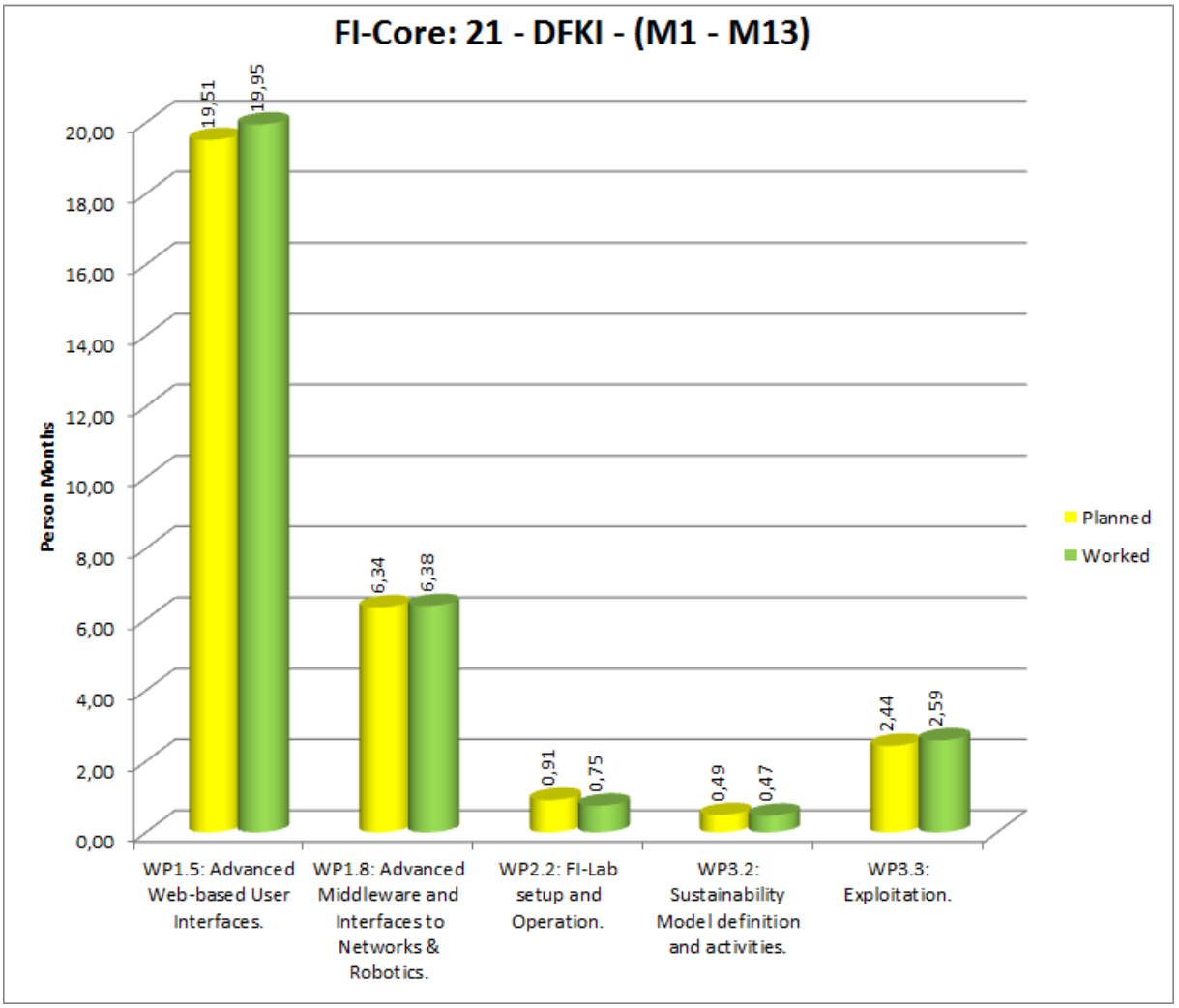
The goal was to make the GEi's available to partners and developers as soon as possible with a comprehensive set of features. Therefore we spent more effort than globally planned in the development from the beginning. Plan was and still is to shift the activity towards support and maintenance for the remaining time of the project. For the incubated Netfloc GE we will do this on our own cost for at least the rest of the project.

In the first phase of the project, additional effort was also required in our role as chapter architect, to set up and coordinate the new I2ND architecture and review the GE architectures and specifications.

WP2.2: Activities in this chapter started for us in October 2015 (M14) by transferring our activities on the Zurich FIWARE-Lab node management and the transition from XIFI to FI-Core. There was no activity for GEi support required until the GEs were in the catalogue.

WP3.2, WP3.3 & WP4.2: During the first period of FI-Core we were focussing on the development of the new and updated GEi's. We planned to extend our activities in Sustainability, Exploitation and Dissemination in the second phase, now as the GEi's are in the catalogue and available to developers.

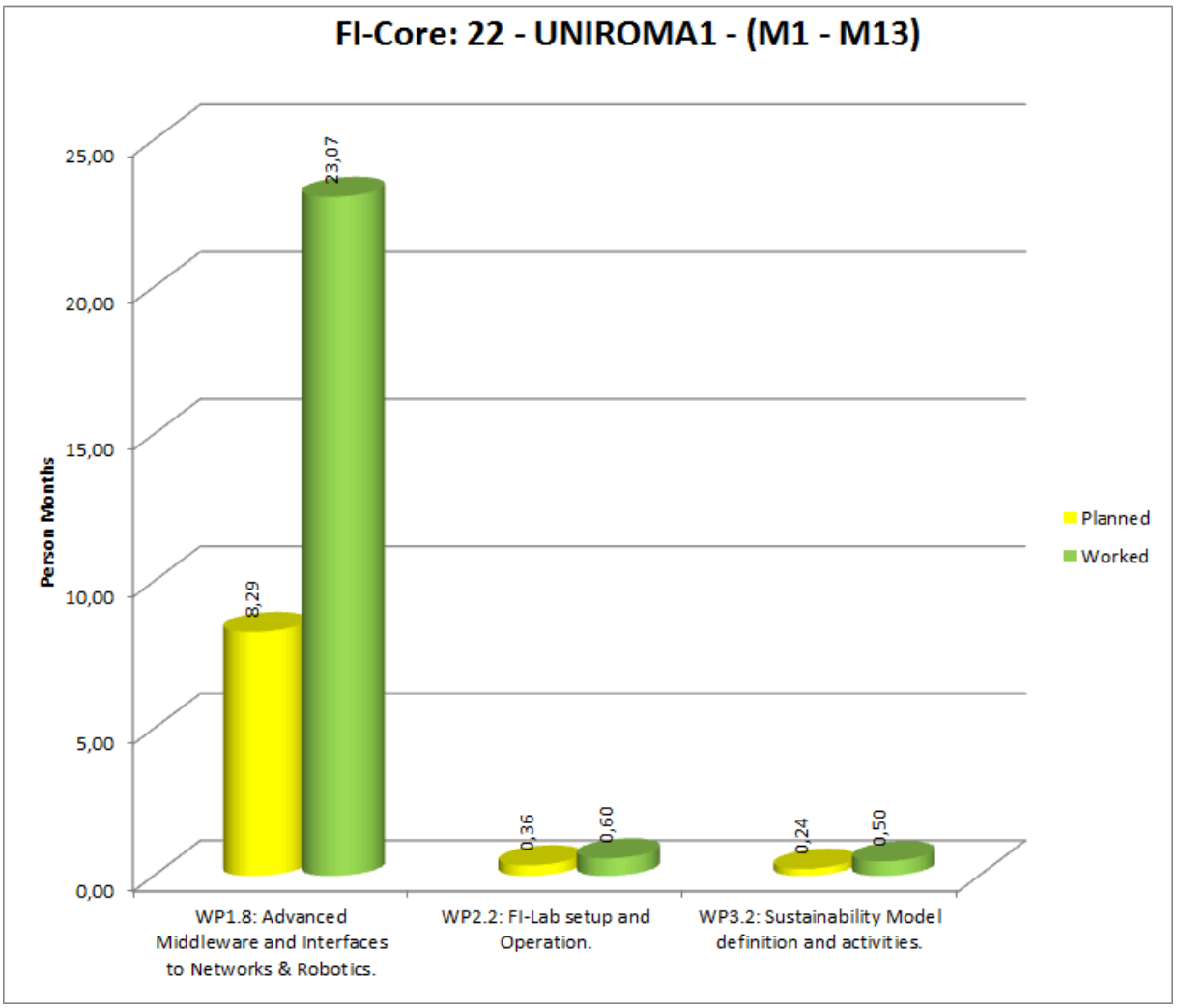
1.2.23 21 - DFKI



Explanations of the deviations (>10%):

WP2.2: Efforts are below planned efforts because major input has been provided to WP1 and WP3. DFKI contribution to WP2 will be increased in the next project period.

1.2.24 22 – UNIROMA1



Explanations of the deviations (>10%):

WP1.8: an important deviation with respect to the cruise speed model has been related to the OFNIC R4 Generic Enabler Implementation: in fact, it has been necessary to pass from the originally planned NOX based implementation to an OpenDaylight based implementation. This process has required an accurate and timely development, as well as intense debugging and testing phases.

The rationale of the above-mentioned choice is that the NOX controller is no longer maintained, hard to debug and develop (due the fact that is written in C++) and not well documented; furthermore, it is hard to add new core functionalities, too much effort is needed to maintain the code, and generally the system deployment requirements are difficult to be satisfied. So, the new OFNIC implementation, started with the beginning of the FICORE project, exploits OpenDaylight, namely the most advanced and well supported SDN Controller framework, it supports new protocols like OpenFlow 1.0/1.3 and NETCONF, it is written in Java, is well documented, is designed according to a modular architecture and consequently can easily host new features.

Since the OFNIC GEi functionality and interface had been already defined before the FICORE start, a big effort has been required for designing, developing, debugging, testing

and integrating the new implementation of the NetIC RESTful API within the OpenDaylight framework.

In addition, the open specification, manuals and image on FILAB and Docker Hub have been updated and published.

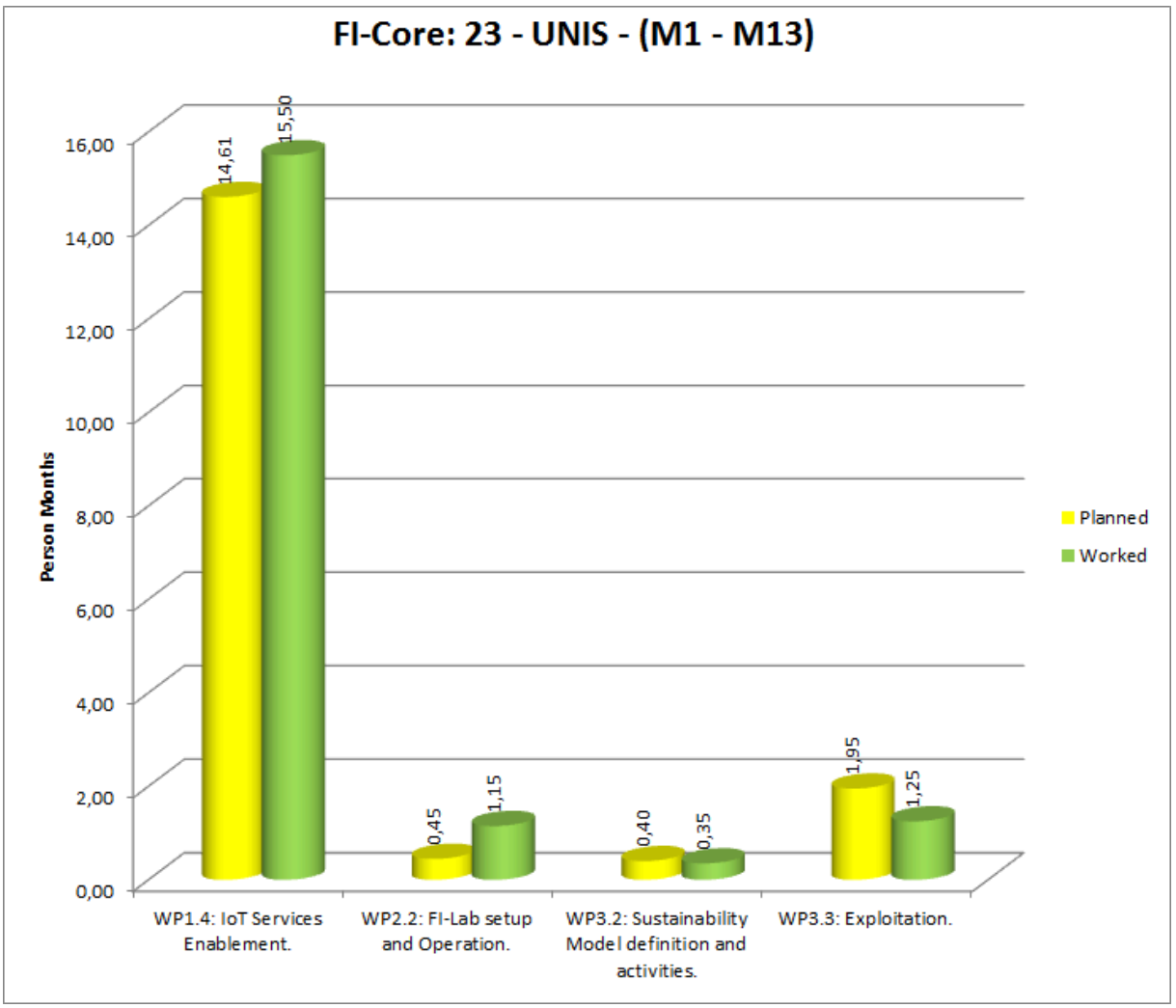
Finally, an additional effort has been necessary to improve the reliability, the usability and the performance of the new OFNIC GEi.

In order to provide as soon as possible a stable and usable software, thus guaranteeing consistency with the FICORE roadmap, allowing a timely utilization of the OFNIC GE (also taking advantage of the new functionalities offered by OpenDaylight) and permitting an easier addition of new features, we have concentrated the effort during the first year of the project. This strategy has been successful, since the OFNIC GE has been used by European SMEs and universities, and, thanks to the planned effort, we have been able to provide a day by day support improving the software, while guaranteeing its usability to third party SMEs interested to use it.

WP2.2: The extra-effort needed in WP1.8, influenced the work to be done in WP2.2, in adopting new documentation and deployment tools. Indeed to maintain an alignment with the outcomes of WP1.8, additional 0,2 man months were needed, with respect to the cruise speed.

WP3.2: The extra-effort needed in WP1.8, influenced the work to be done in WP3.2. Indeed to maintain an alignment with the outcomes of WP1.8, additional 0,26 man months were needed, with respect to the cruise speed.

1.2.25 23 - UNIS



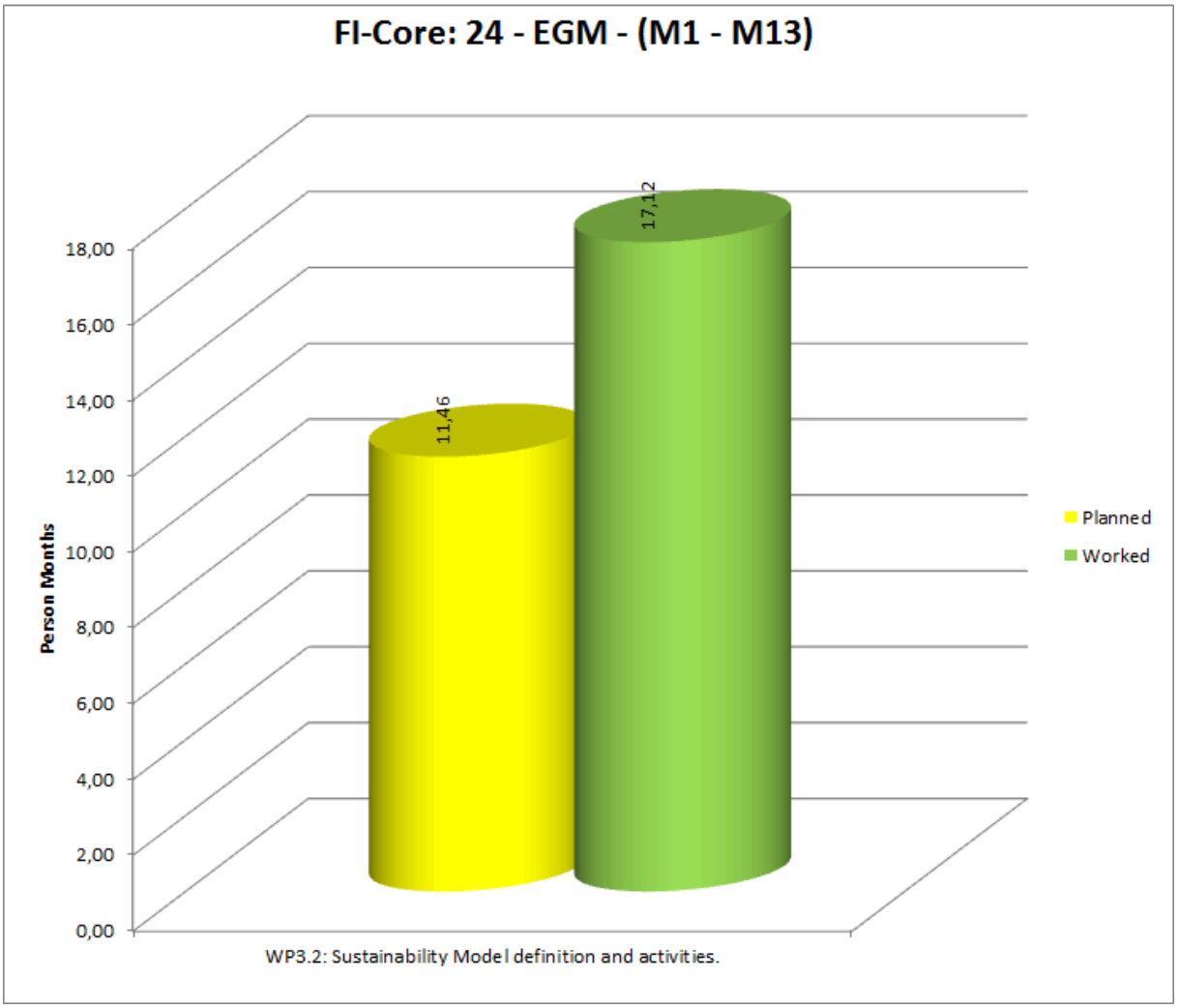
Explanations of the deviations (>10%):

WP1.4: More effort has been spent in modifying GE with respect to the change in the IoT architecture, improving current features and attending to addressing and fixing bugs identified.

WP2.2: More effort has been spent in adopting new documentation and deployment tools for Release 4, and providing technical support.

WP3.3: Due to spending more effort in WP1.4 and 2.2 in preparation for the major release, it has affected the exploitation tasks. Although, we have been maintaining the exploitation activities with respect to promoting the adoption of our GE in other EU research projects, and integrating it with experimental IoT testbeds.

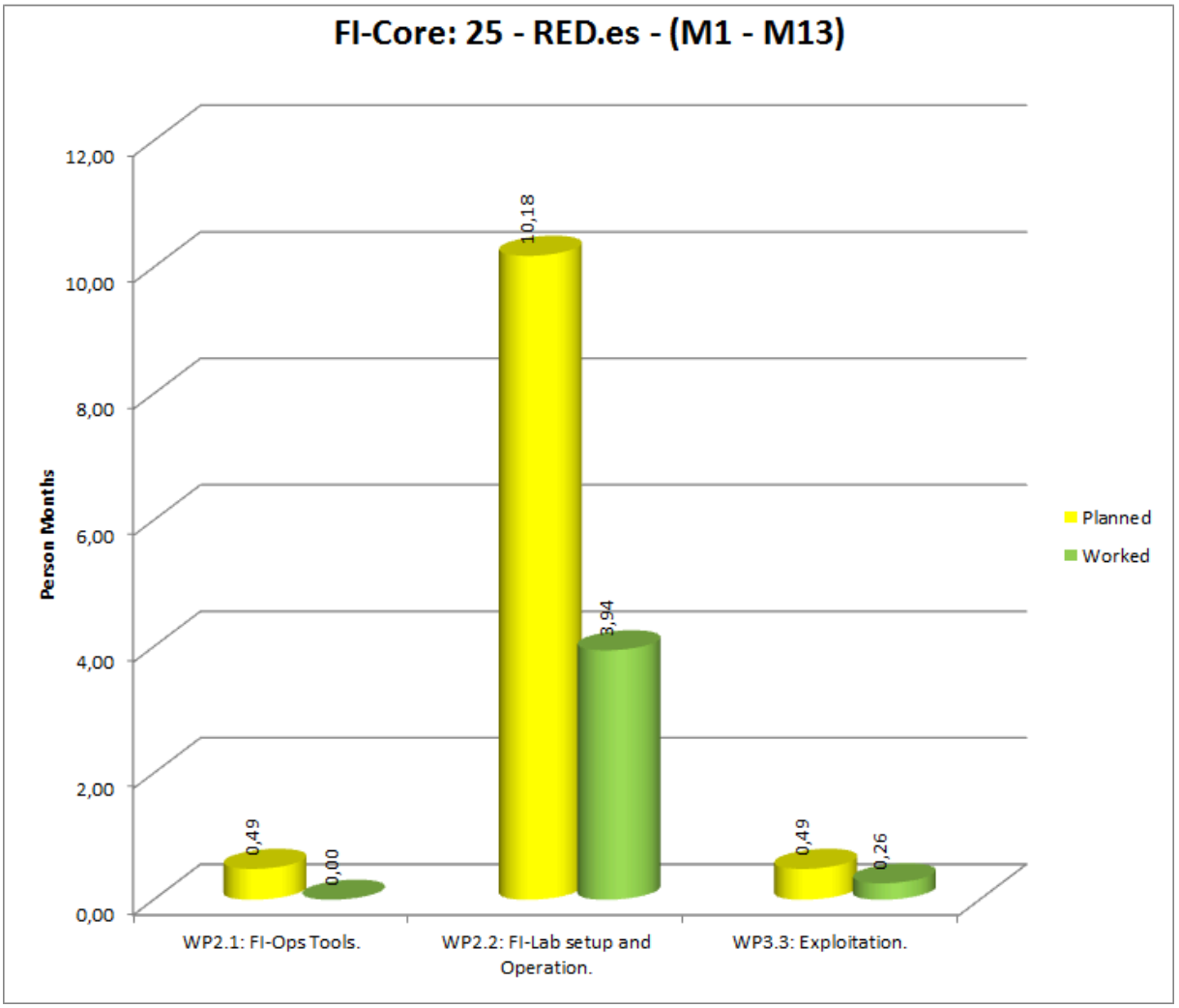
1.2.26 24 - EGM



Explanations of the deviations (>10%):

WP3.2: Manpower consumption as expressed in person month is over the plan due to participation of an internship and PhD Thesis which contribute respectively on analysis of label framework in opensource initiatives, evaluation of MBT testing approaches for NGSI as well as developing internal expertise on enablers deployment to better ensure level 1 technical support within coaching activities. However, corresponding hourly rates of these persons are below the average one used within the budget and it is thus expected that overall consumption in € is still within the planned limits.

1.2.27 25 – RED.es



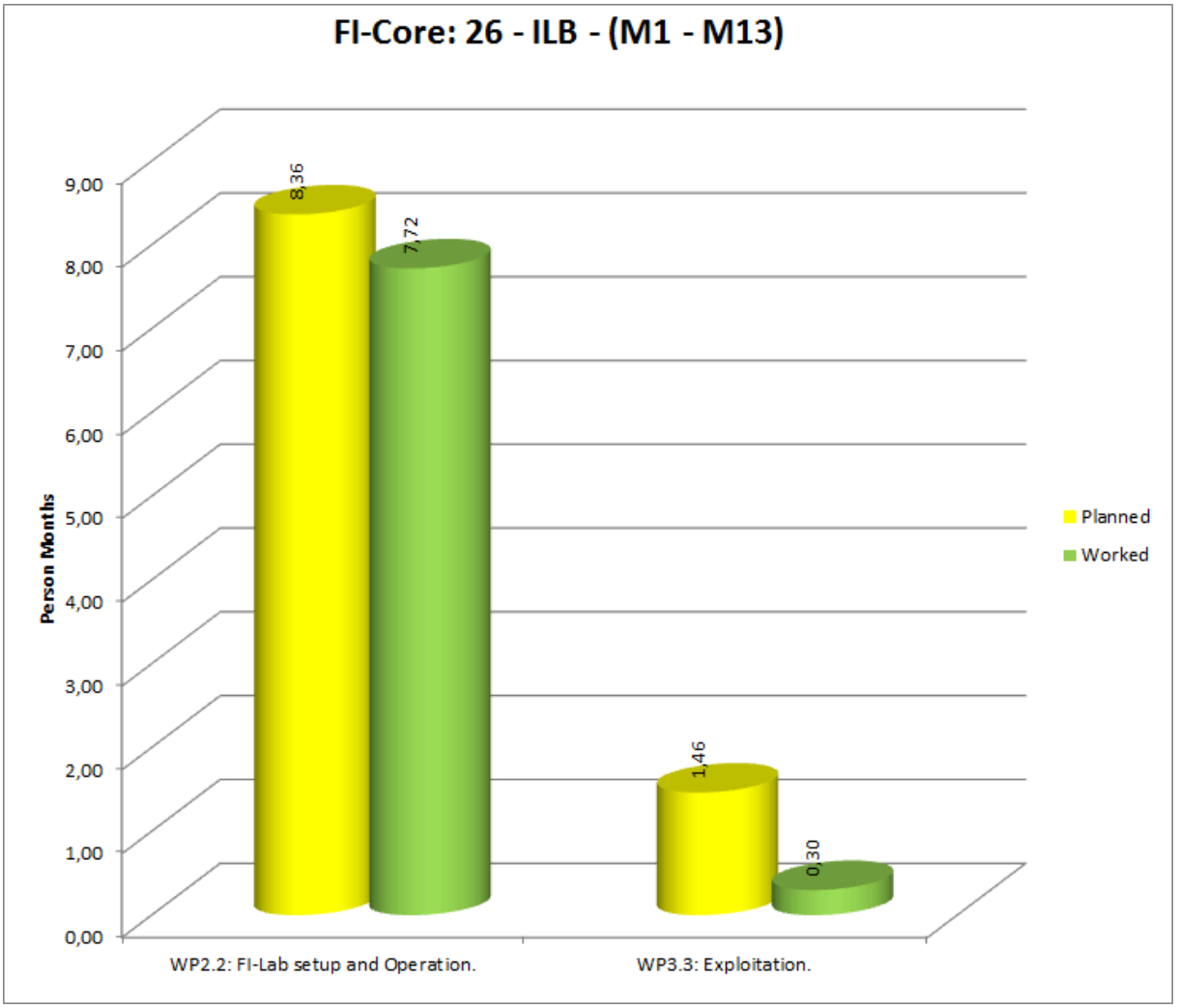
Explanations of the deviations (>10%):

WP2.1: Red.es does not intend to execute this person/month

WP2.2: The person involved at the operation of the FI-LAB left in June, so now operation is more reactive and less proactive. RedIRIS also requested a reduction in manpower for this activity, that should be implemented later in the project.

WP3.3: This is expected to be executed later in the project.

1.2.28 26 - ILB

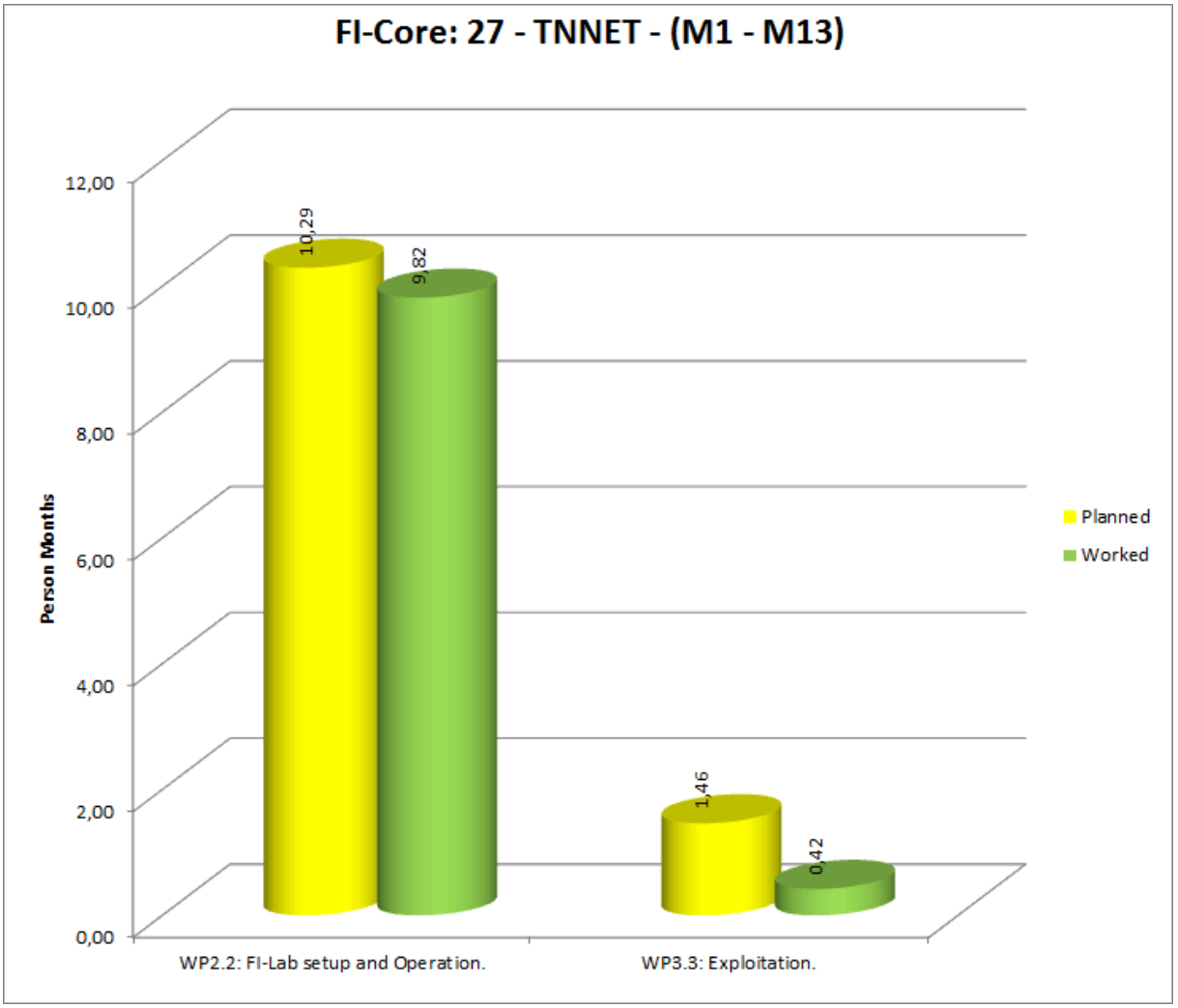


Explanations of the deviations (>10%):

WP2.2: less effort spent mainly due to the fact we are now involved since only April 1st and taken into account 2 months of summer period. We feel confident to increase our PM contribution mainly with the second wave of the projects funded by the accelerators.

WP3.3: less effort spent for this task because exploitation plan is something new and no activities on the standardization

1.2.29 27 - TNNET

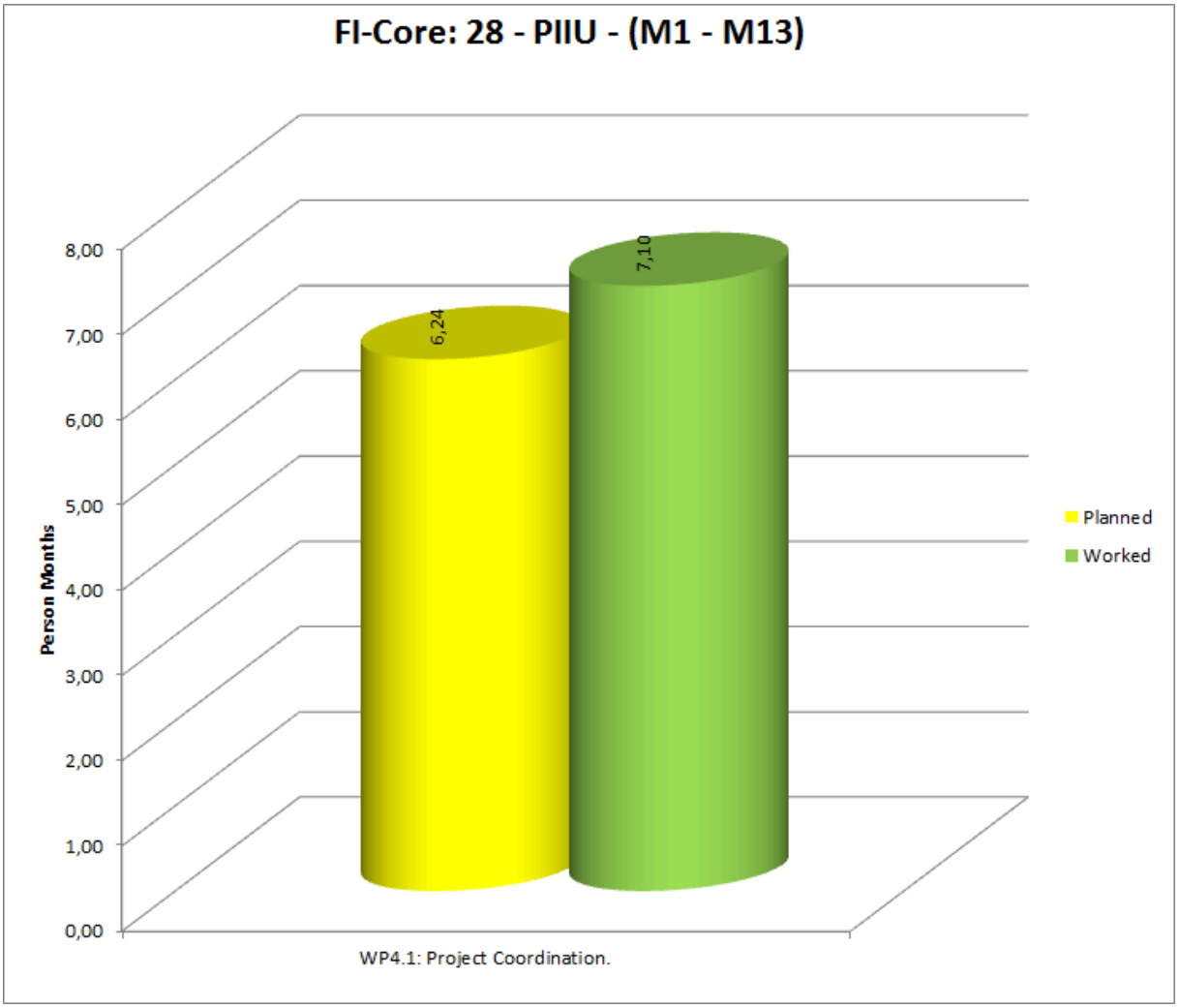


Explanations of the deviations (>10%):

WP2.2: effort is less than that evenly and automatically distributed over time periods by the coordinator due to the actual company persons involved in the activity.

WP3.3: effort is less than that evenly and automatically distributed over time periods by the coordinator due to the actual company persons involved in the activity.

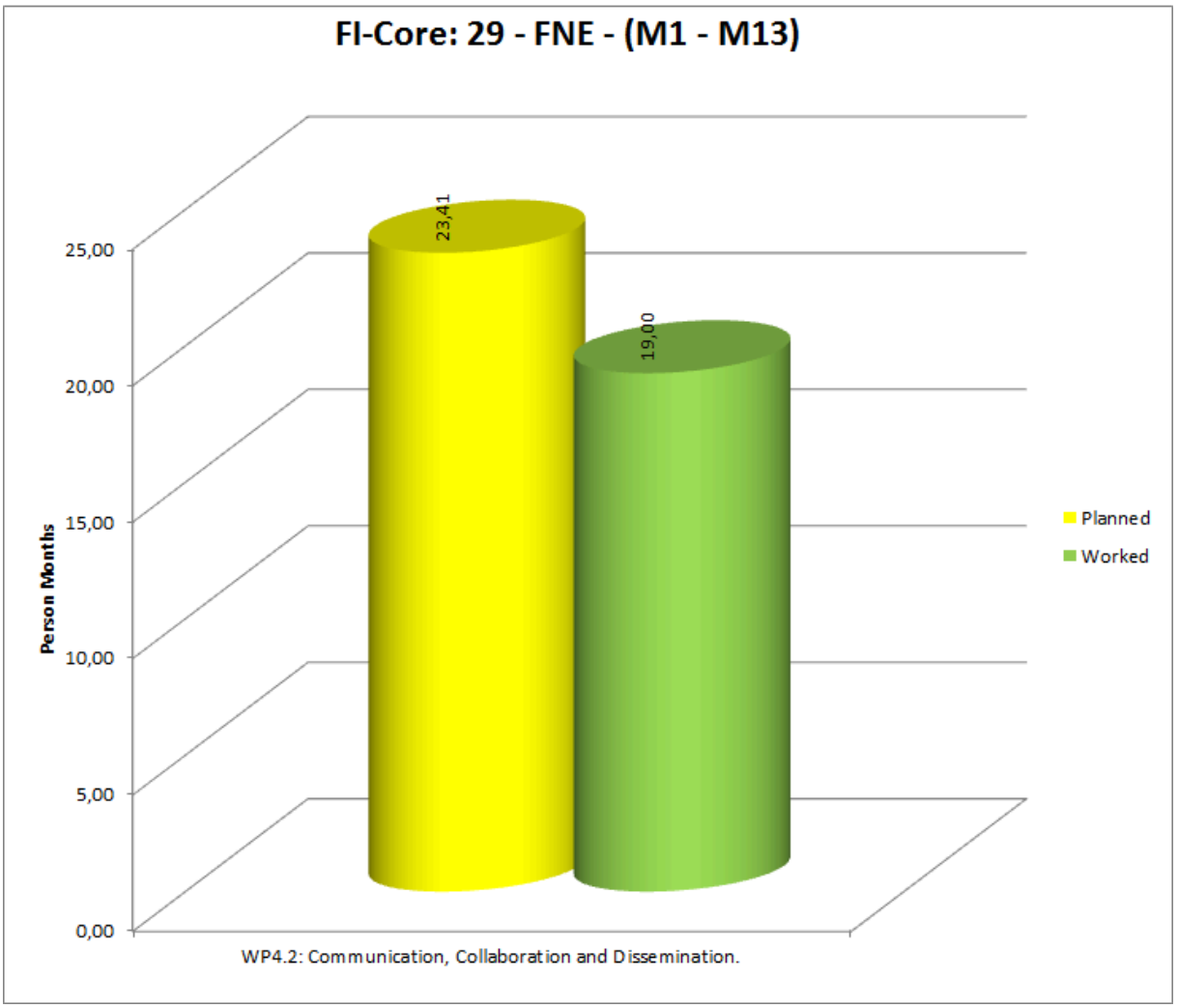
1.2.30 28 - PIIU



Explanations of the deviations (>10%):

WP4.1: We had a slight overspending (M6 - M10) due to the request of a new version of the Open Call text and of the guide of applicants.

1.2.31 29 - FNE

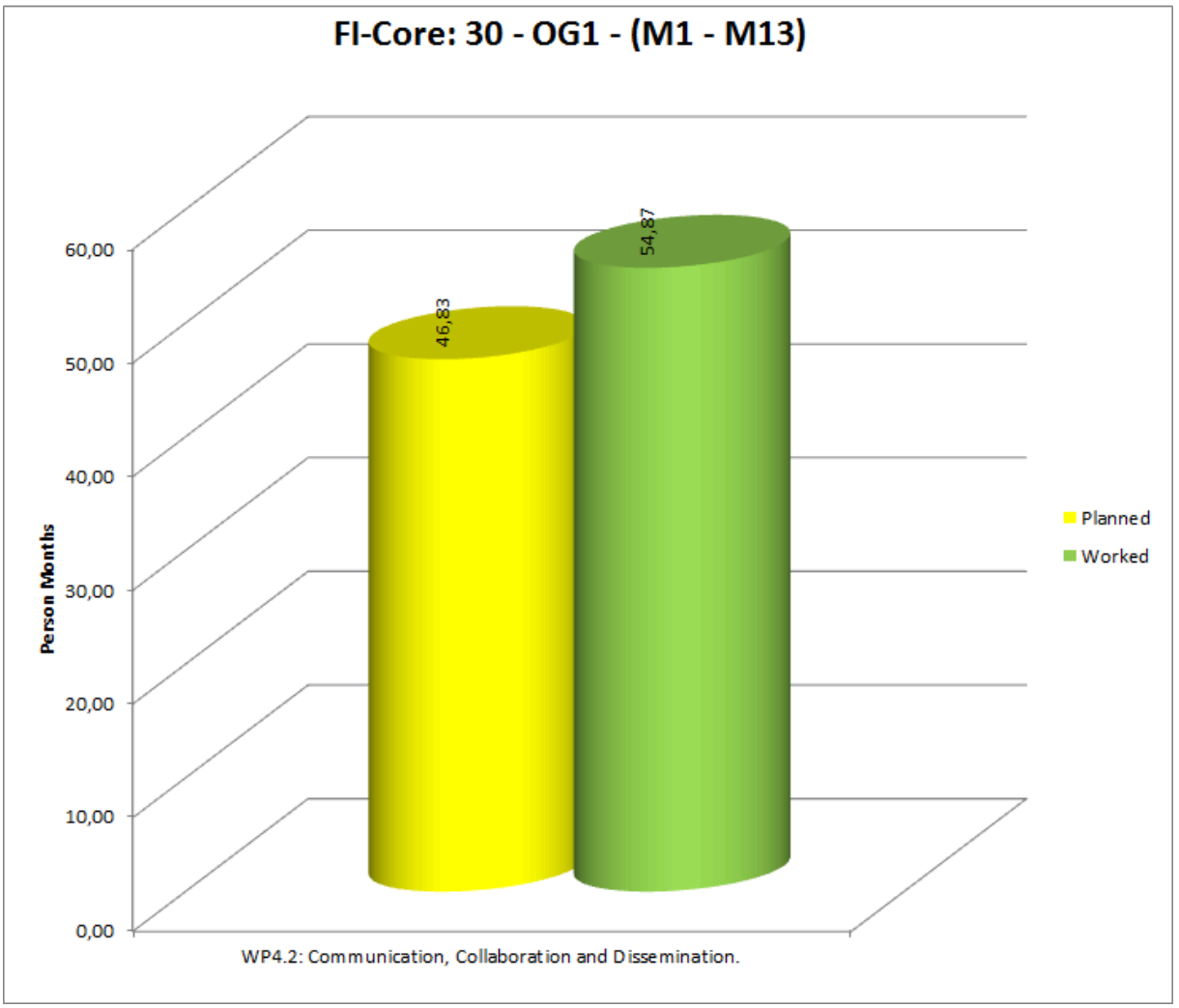


Explanations of the deviations (>10%):

WP4.2: During these three months, FNE has focused on the Campus Party Mexico 2015 and on organising the presence of FIWARE there. The Campus Party Mexico 2015 took place from the 22nd to the 26th of July, and congregated 15,000 attendees total. June and July saw most of the effort, while august and september were focused on reporting and preparation of future Campus Party events. The following FIWARE-related activities took place at the Campus Party Mexico 2015: (1) two sessions “Can connected objects dream of Smart Cities?” and “CARES and FIWARE: creating value in people’s lives”, (2) two technical workshops “Adding identity management and access control to your application. Configuring your virtual infrastructure using the FIWARE Lab Cloud” and “Connecting IoT devices and managing context inside the platform”, (3) a full-on FIWARE-themed hackathon and (4) special branding of FIWARE.

The deviation in effort and costs comes from the fact that no Campus Party Europe event has taken place during 2015. Nevertheless, FNE, as of the 1st of October 2015, has proposed the FI-Core coordination team that FIWARE is present at both Campus Party Netherlands (2016) and Campus Party Italy (2016).

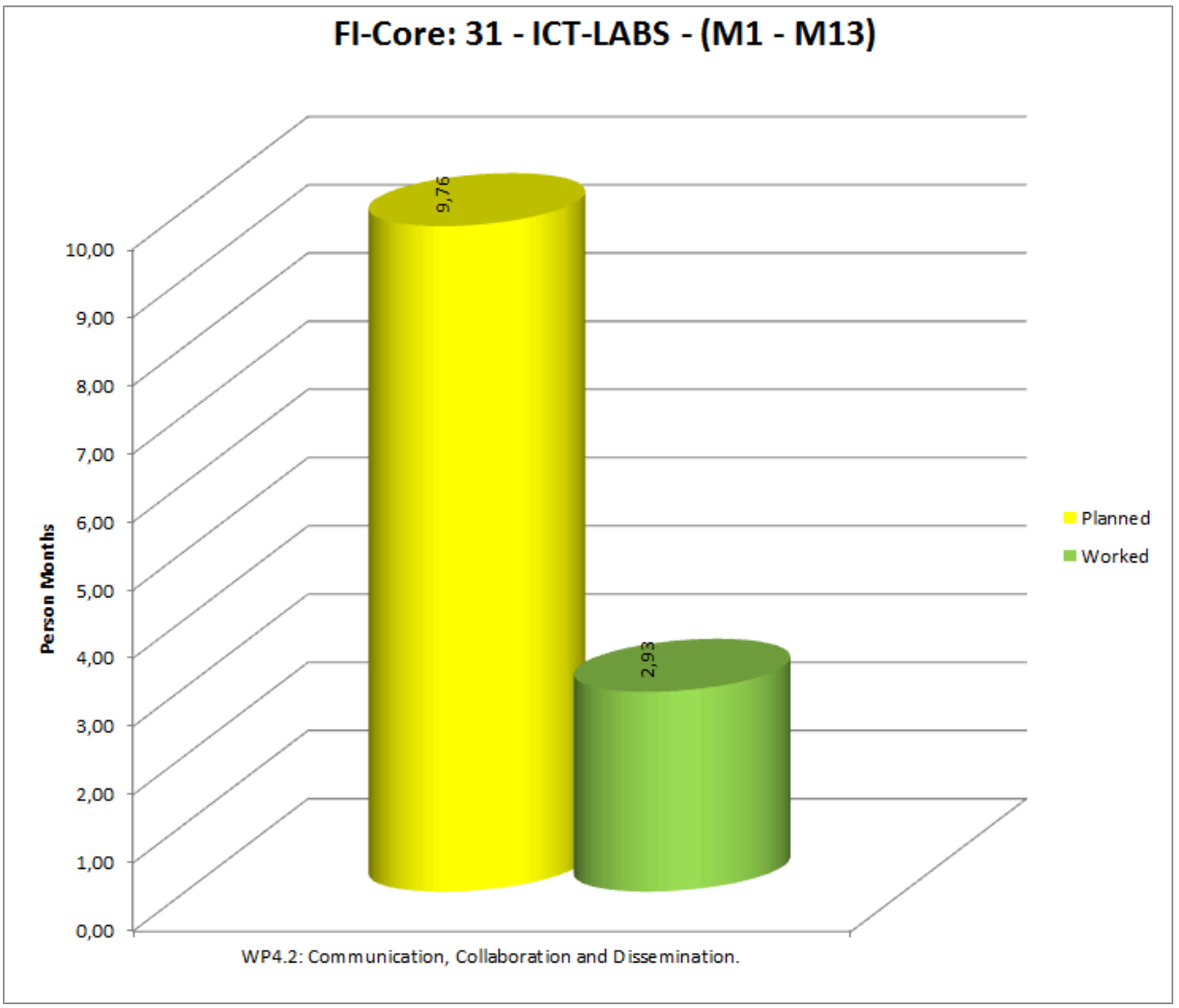
1.2.32 30 – OG1



Explanations of the deviations (>10%):

WP4.2: The actual resources consumption is circa 20% higher than the linear distribution in the DoW. Following EC instructions the FIWARE Press Office has maximized communication and dissemination efforts to maintain FIWARE momentum, including massive participation in events, the development of a full new strategy (new visual campaign, new website, etc), and several production lots of materials (both on and off line) to serve FIWARE needs. Both TEF as project coordinator and our PO are aware of this situation and OG1 has their full support in this matter. Monthly monitoring is done on the resources consumption and communicated to be able to react if needed.

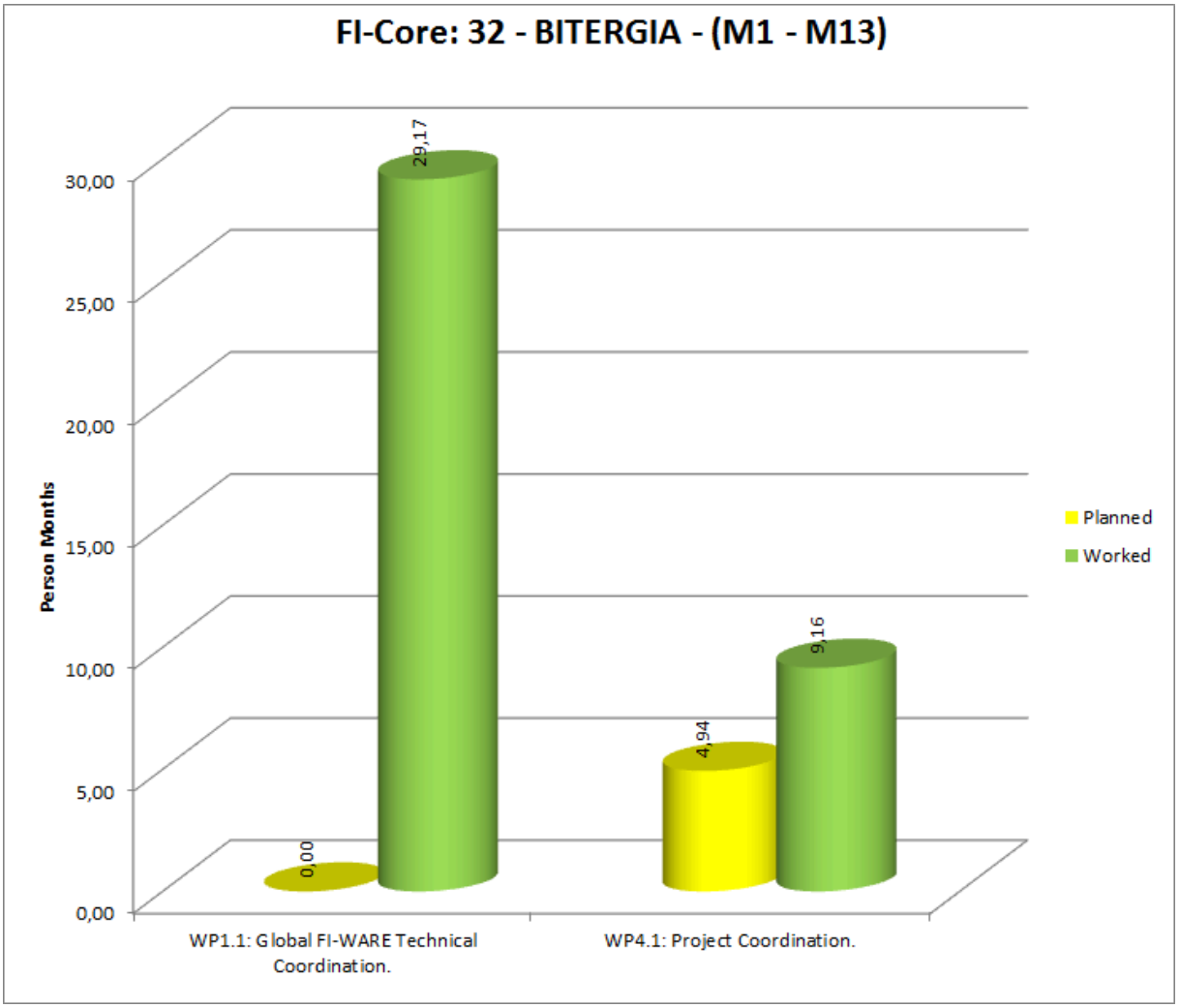
1.2.33 31 – ICT-LABS



Explanations of the deviations (>10%):

WP4.2: The efforts are linearly allocated to EIT Digital in the FI-Core project, thereby there appears deviation in the effort consumption between the budgeted and consumed. However, the original plan holds and has materialised (dare to say: beyond expectations) in terms of committed collaboration between EIT Digital and FIWARE as initially crafted in the Memorandum of Understanding signed by the parties in June 2011. EIT Digital has worked and continues to work hard for the joint mission on dissemination, community building and laying the sustainability basis for the open innovation ecosystem based on multi-vendor open source platform. After careful preparation, the implementation prospects include boosted business acceleration, access to finance and supreme visibility efforts planned for Q1-Q2/2016 in addition to continuous support for the governance model(s) proposed for FIWARE community (both tech and non-tech).

1.2.34 32 - BITERGIA



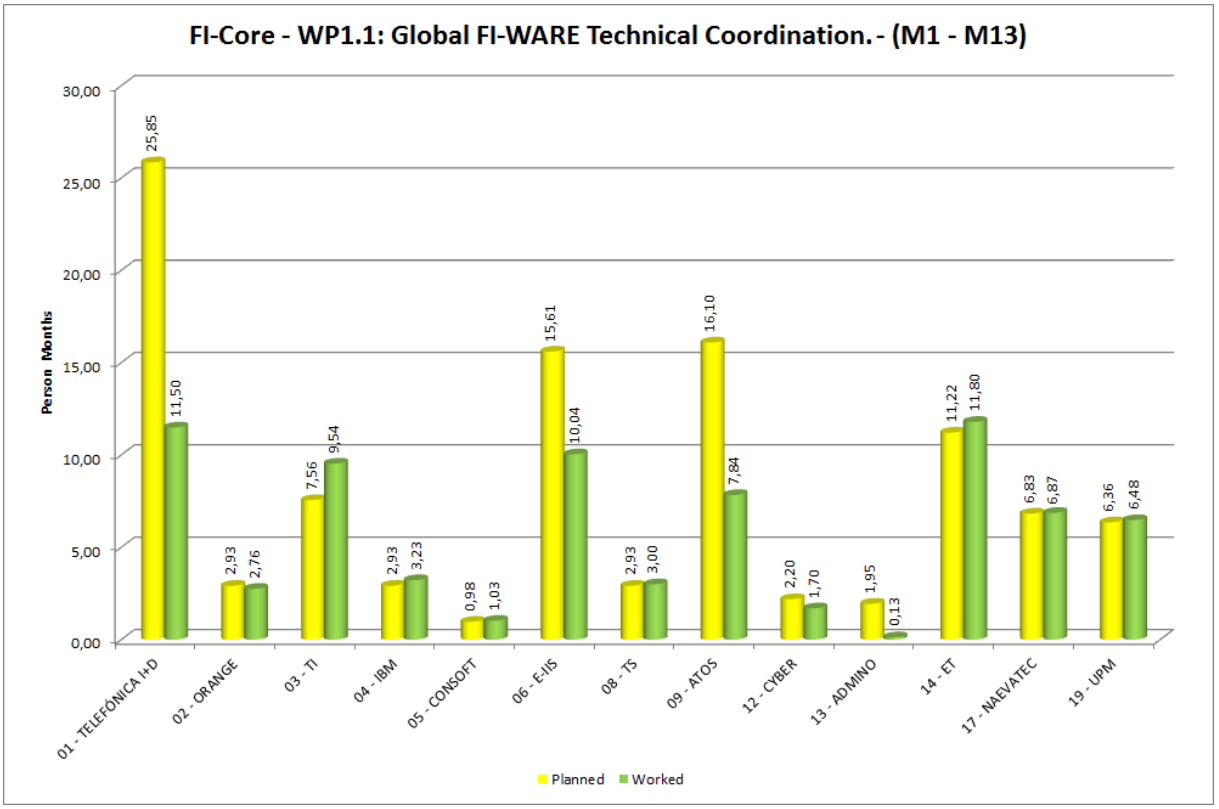
Explanations of the deviations (>10%):

WP1.1: Our effort in this WP is detailed in the amendment that is currently being submitted and will be reflected in the new DOW

WP4.1: The extra effort invested was mainly needed to set up a platform to offer common authentication to the FIWARE collaborative environment. This platform was set up using a LDAP server, which hosts all the information about the user and which is being used by the forge and the JIRA tool. Besides that integration and deployment task, the maintenance team has developed a tool to generate deliverables based on the wiki offered by the forge.

1.3 EFFORT PER WP

1.3.1 WP1.1: Global FI-WARE Technical Coordination.



Evaluation:

In summary, … **[PENDING TO BE UPDATED BY THE WPL.]**

[

Please do not state a list of numbers that the PO and reviewers can see in the chart. what you have to write here is:

1) The general status (aligned? deviations? …)

2) The rationale for the deviations and the actual status of the project in relation to them

We do not need a list of partners with significant deviations (this is already reported in the section of each partner). If a given partner has a serious deviation it can be mentioned, but the focus here is the overall status of the WP.

The technical reporting of WP1.1 is here:

- **https://docs.google.com/document/d/1SW6BmyXEIGX_08wTQ0PKMM-je7Tt1RQExpLoVHszg2U**

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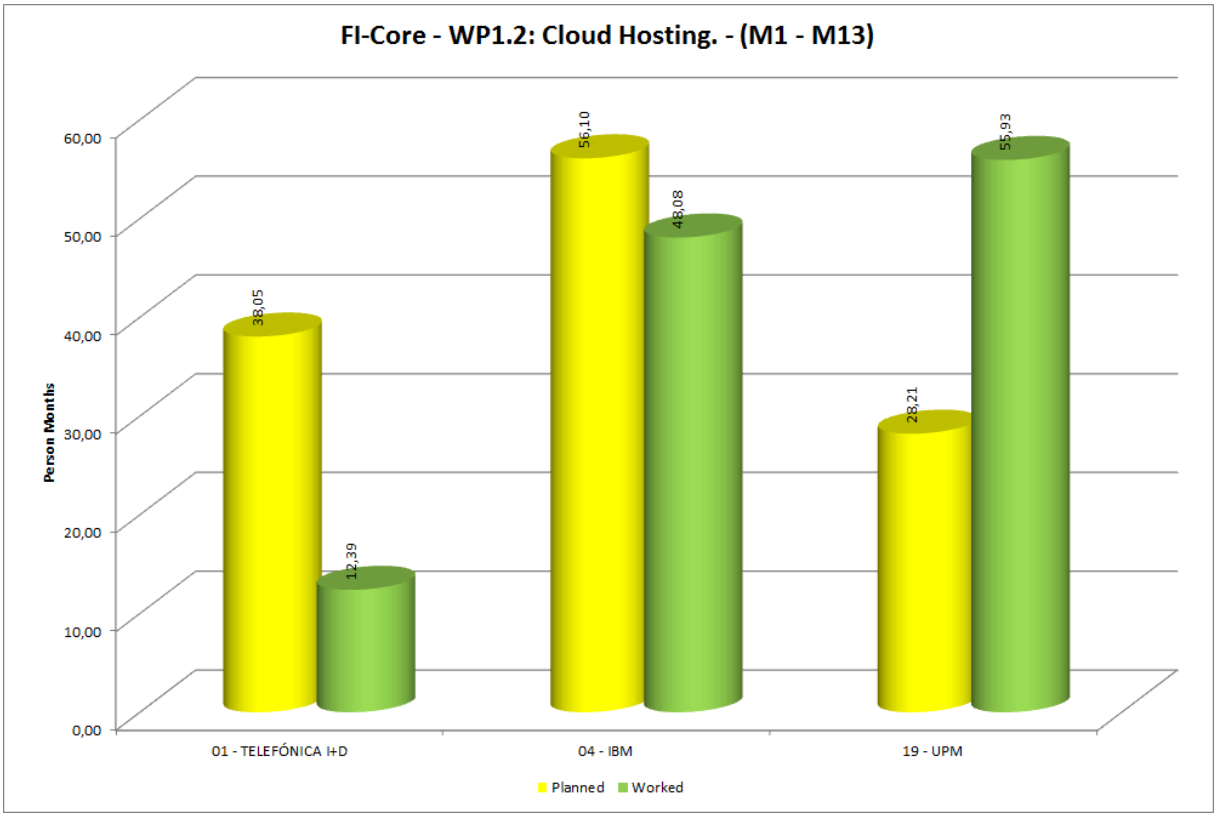
1.3.2 WP1.2: Cloud Hosting.



Evaluation:

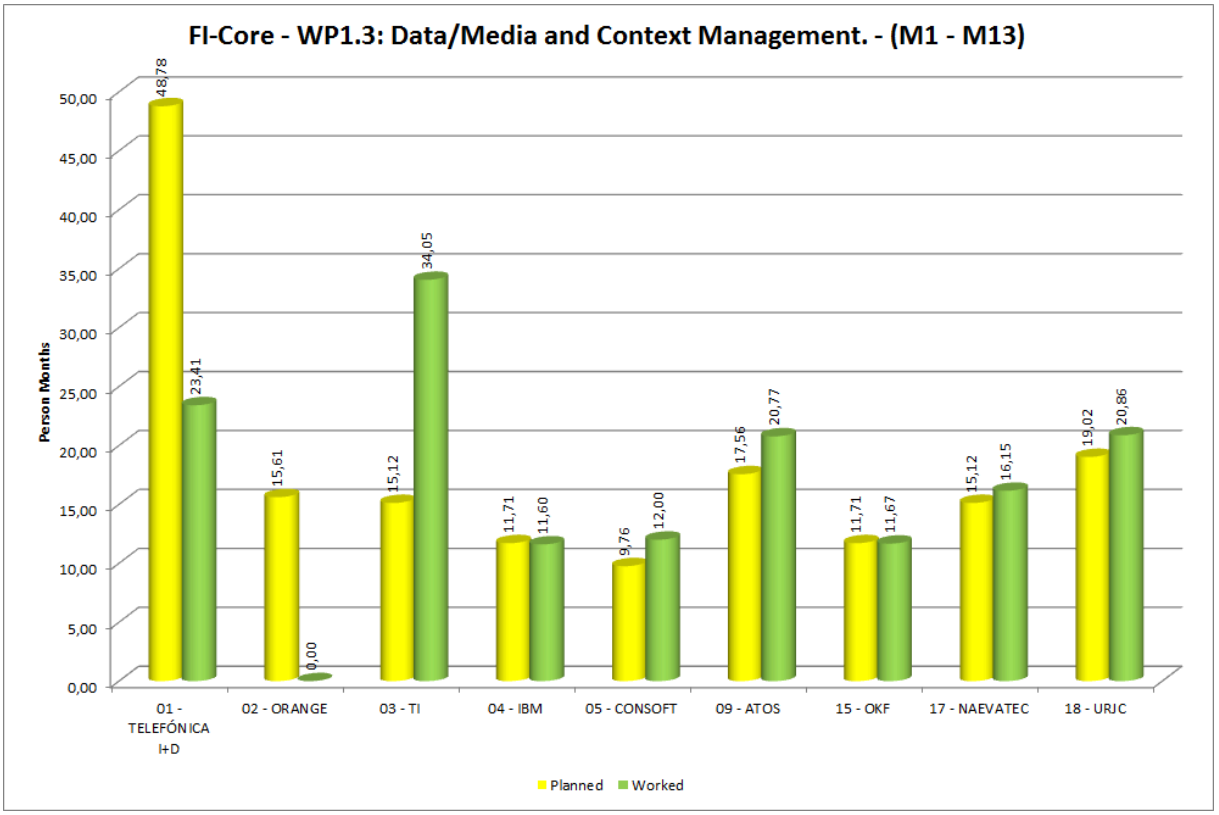
In this period they focused on stabilizing the FIWARE IaaS based on OpenStack. The decision to base the FIWARE IaaS on OpenStack was validated since it has shown to be a robust platform on which to build the rest of the FIWARE services. Since OpenStack turned out to reliable and fully functional there was less need to devote energy on support and no requirement to add additional functionality. This explains why they used less resources than was forecast. Instead IBM's effort was directed towards the initial exploration of Docker support. They intend to create and support a new FIWARE Docker Container Service. This will require a significant amount of additional effort on their part.

There was a not proper planning for user support. This was particularly relevant to UPM which is responsible for FIWARE Self Service GUI Interface. Since a user's first encounter and daily use of FIWARE usually centers around the GUI it is natural that many user problem reports are assigned to UPM. This required much more effort than expected. Further, it was decided by FIWARE as a whole to give priority to user support. Another issue was that by its very nature the GUI has to synchronize with other cloud GEs so more integration issues than usually had to be resolved. Finally many unforeseen user scenarios required additional functionality.

The technical reporting of WP1.2 is here:

- https://docs.google.com/document/d/1Y39ZtIuwXQjwzDcdRk-1-Yp0_VPBpYiGR5eBU_k5Vxw

1.3.3 WP1.3: Data/Media and Context Management.



Evaluation:

There are significant deviations reported from several of the partners in the chapter for this reporting period. From a chapter point of view, the following comments can be made regarding these deviations:

Orange has withdrawn from WP1.3 entirely, which has been acknowledged by the amendment resulting in the new DoW.

Reduced effort when compared to the planned in this WP by TID is due to the fact that this partner shifted significant efforts during this period to dissemination and communication activities in WP4.2 for improving the knowledge of FIWAREness concept (based on the NGSI APIs) among other communities (OASC, Smartcities, developers etc.). Also, part of the originally planned effort in this chapter has been devoted to the coaching activities required in the SoulFI accelerator (WP3.2).

Regarding the significant reported deviation from TI in the usage of their resources, there's no clear evidence to support this deviation from a chapter point of view. The reported consumed PMs by TI are equivalent to more than 3 persons full time dedication during the period. Justification given for the overspending is to make 3 new GEs (Social Data Aggregator, Social Semantic Enricher, Metadata Store Management Platform) available in FIWARE Lab at the same completeness level as the already existing ones. However, the existing versions of these GEs are still very initial (e.g: Social Data Aggregator has achieved a first demo app, based on twitter social data and an initial integration with Kurento, and the other two still require work to make them usable/attractive to external users) and several release 4 related items (e.g: dockerization or catalogue entries) have not been provided yet for them. Moreover, two of these GEs (Social Semantic Enricher and Metadata Store Management Platform) have been developed in conjunction with Consoft, which has also

reported an overspending (in this case less significant) in their activity, resulting in more than a full time person dedication during this period.

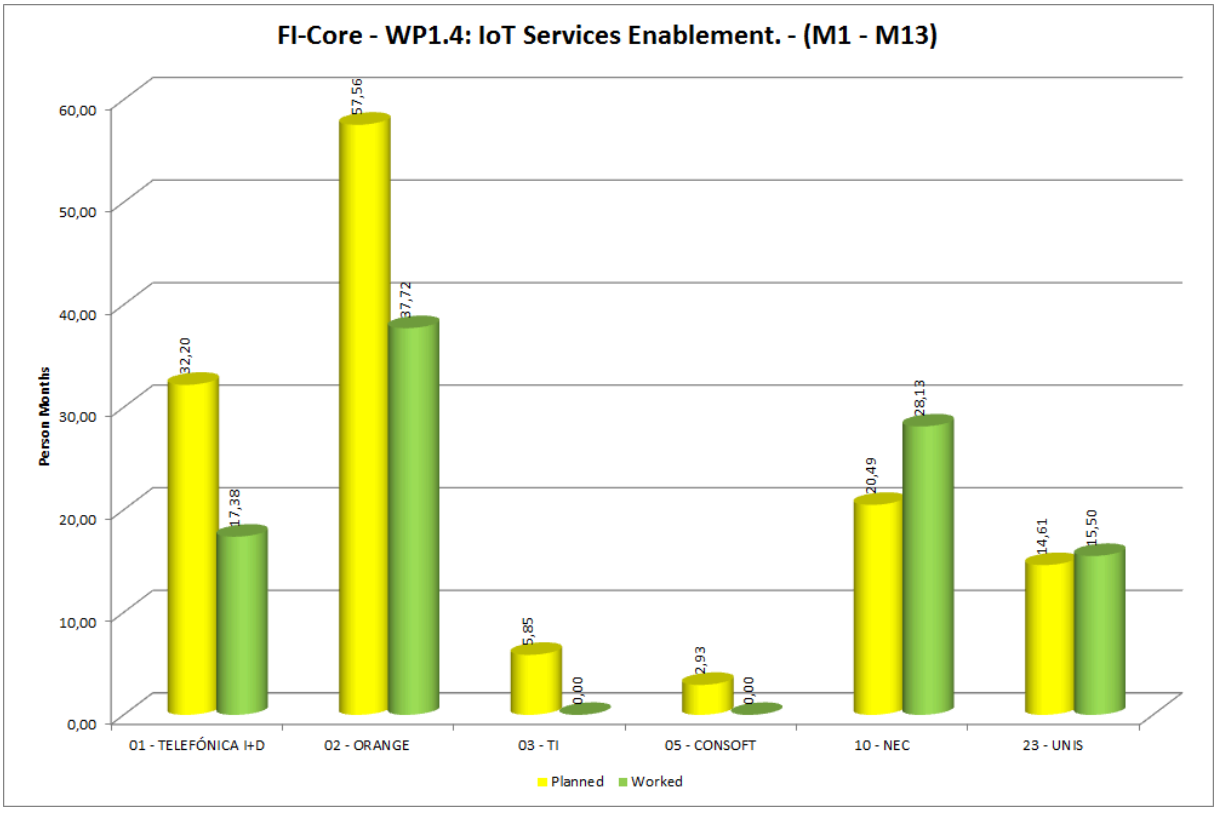
The reported deviation from ATOS is justified due to the reorganization required for the change of scope in the GE they are responsible for. However, it has to be mentioned that this change of scope occurred in February 2015, and there's no clear evidence of the work being carried out until that date in the reporting period, since work in the GE was suspended until results of the new scope discussions were agreed.

Finally, OKF does not report any effort deviation, despite there has been a several months delay in making CKAN GE available in FIWARE LAB, and despite of being notified in several sprints of insufficient dedication for completing the expected sprint items. Apparently, one of the issues has been that in several occasions more priority has been given to finalizing general CKAN items instead of the FIWARE related ones included in the sprint, without a specific team in charge of finalizing those. This was recognized by OKF and a commitment was given for having the necessary dedicated resources and priority given to FIWARE. However, this has not been always effective during this reporting period.

The technical reporting of WP1.3 is here:

- https://docs.google.com/document/d/1_OWHbywPChAhMuSln68ikX43ozyH-n50lNDSQ1Lwo7g

1.3.4 WP1.4: IoT Services Enablement.



Evaluation:

In summary, …

TI and Consoft have withdrawn from WP1.4 entirely , which has been acknowledged by the amendment resulting in the new DoW

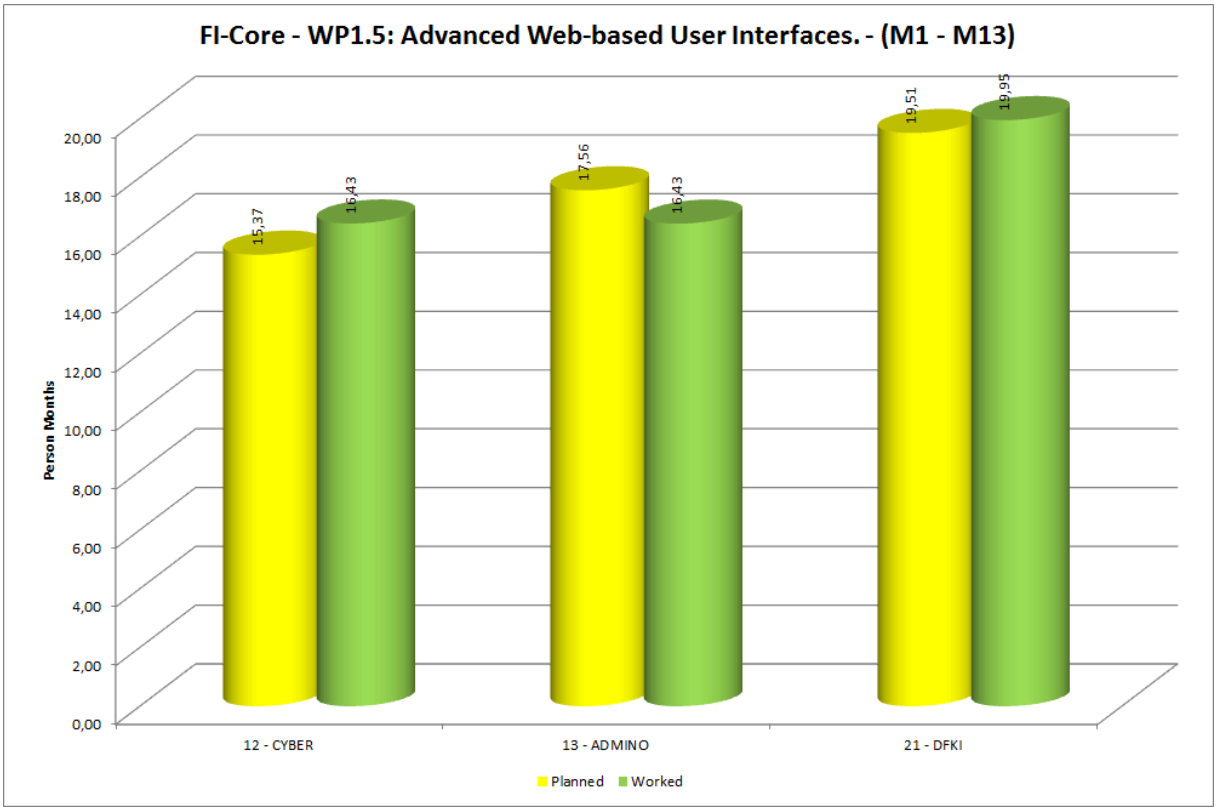
The deviation in Orange participation is due to the late takeover of the new development team, which is now working full speed to catch up (3 developpers dedicated to FIWARE)

The overall deviation an a slight lull of activites in early spring may have been due in part to the lag in the takeover of leadership of the WP after Thierry Nagellen, who was the previous WP leader, had to leave the project . The WP is now fully active again. A face to face meeting has been organized in july at NEC premises and confcall meetings are held every week since september

The technical reporting of WP1.4 is here:

- https://docs.google.com/document/d/1SoxnrSc6MOW9G2BQOmBCKSMI6swlMpH0dYVeI1CrQZw

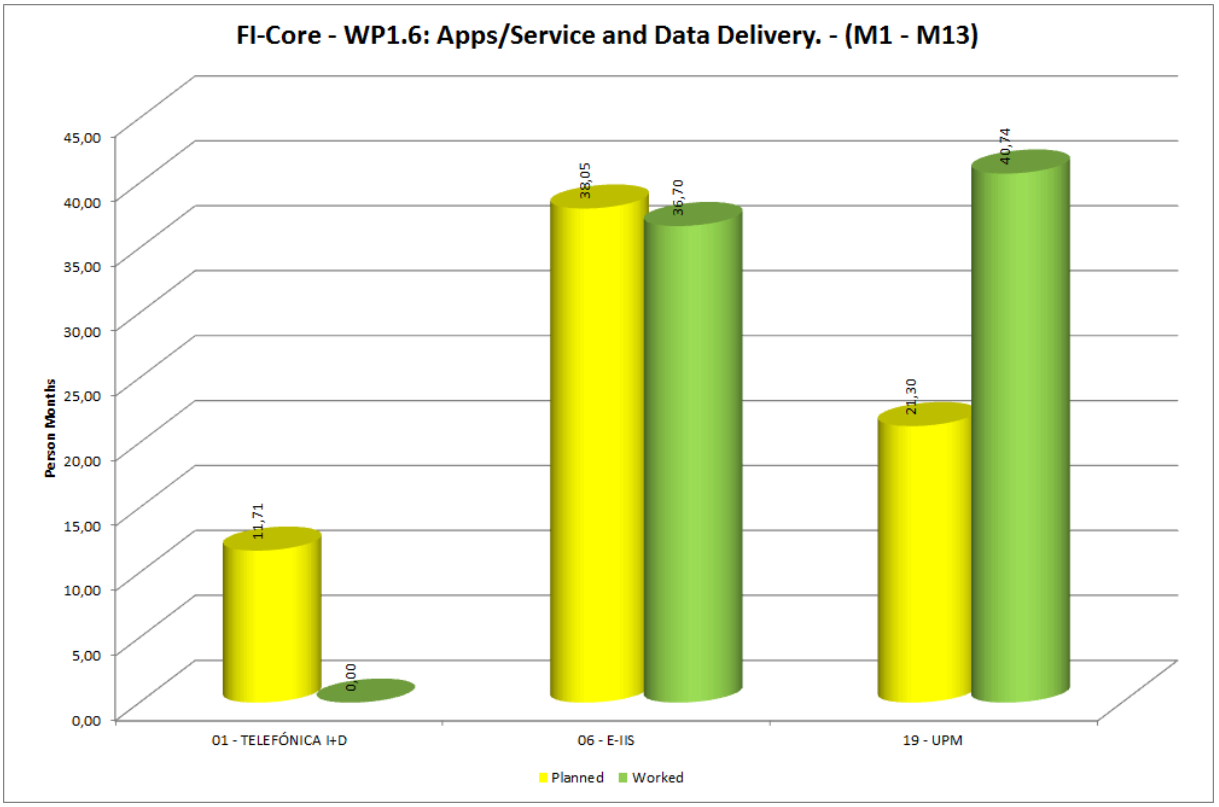
1.3.5 WP1.5: Advanced Web-based User Interfaces.



Evaluation:

In summary, the efforts reported by the partners are well aligned with the planned efforts. No actions are needed.

1.3.6 WP1.6: Apps/Service and Data Delivery.



Evaluation:

In summary, the resources spent in this first reporting period by partners involved in Apps/Service and Data Delivery Chapter are in line with the planned effort. Objectives of the period were achieved, the planned developments were implemented, and adequate support to users was ensured. There are no deviations to be reported within this WP. The consumption of resources is in line with planned effort, taking into account the shift of effort from TID to UPM (TID underspending is balanced by UPM overspending), and all tasks have been accomplished.

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2) The rationale for the deviations and the actual status of the project in relation to them

We do not need a list of partners with significant deviations (this is already reported in the section of each partner). If a given partner has a serious deviation it can be mentioned, but the focus here is the overall status of the WP.

The technical reporting of WP1.6 is here:

- **https://docs.google.com/document/d/1FyGuTVOKOInP97c0qG5s2vWQoCAKJax_iot5aw9cSaw**

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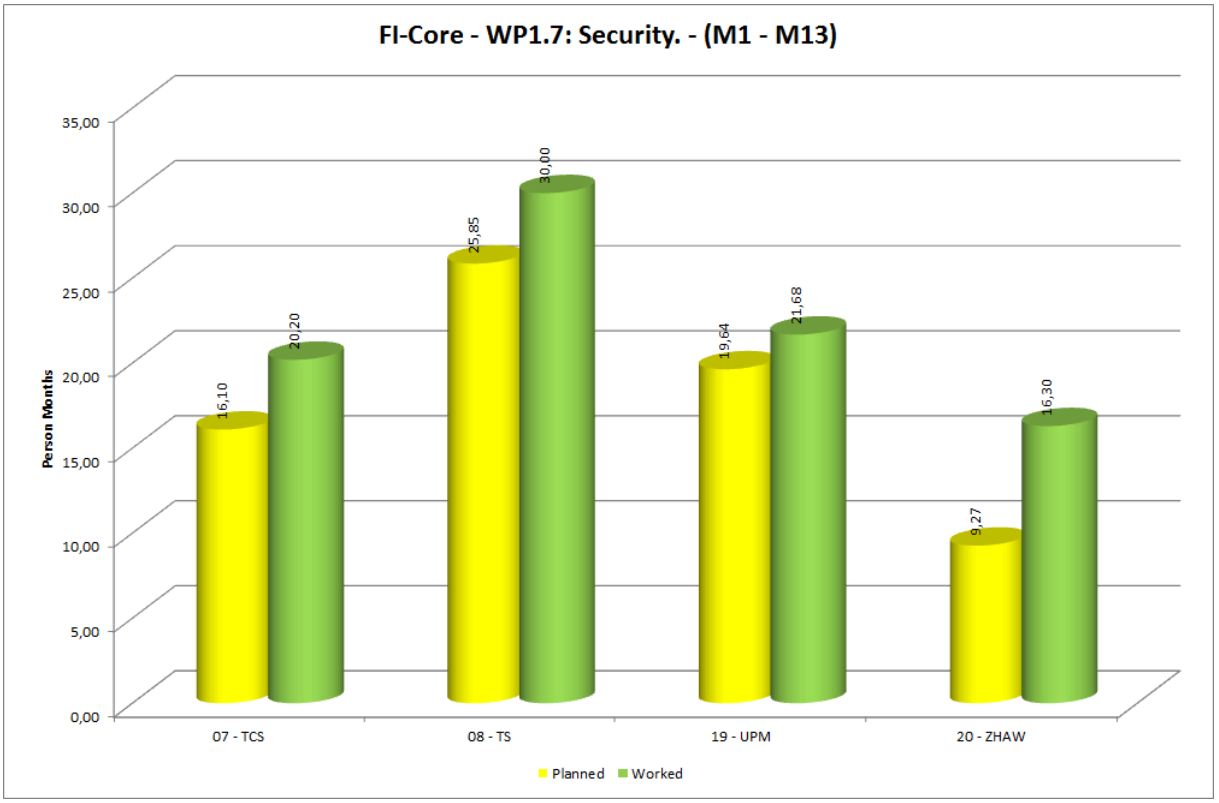
1.3.7 WP1.7: Security.



Evaluation:

In summary, at Security Chapter level we consumed a bit more resources than initially expected this for two main reasons:

- first because security enablers were demanded and stakeholders couldn't wait to have them delivered with set of features needed. As such decision was taken by Security GE owners to get their GEs be delivered with already a complete set of features for R4 and even go for some being pre-released (and so supported) in the context of some of the minor releases (especially the case for IdM GE).
- second because the delivery itself was far more demanding than initially expected due to new demands which were added by project coordination team and that we had to deal with to ensure completeness and overall quality of the GEs delivery according the to the new process defined and shared among the technical chapters.

Overall we did at Security Chapter level a bit more work than initially expected for Year 1 which explains that we consumed a bit more resources. But here the rationale was clear: get delivered with initial but complete set of features each of the GEs that were awaited by the various stakeholders for them to make use of those GEs the way expected.

This slightly over consumption of resources in Year 1 would be compensated by a bit less effort in Year 2 and so slightly less resources to be consumed.

The technical reporting of WP1.7 is here:

- **https://docs.google.com/document/d/17C8G4C6TeUNRPT8wMnhL40YAm7nUuaMFtcn0wAczZ14**

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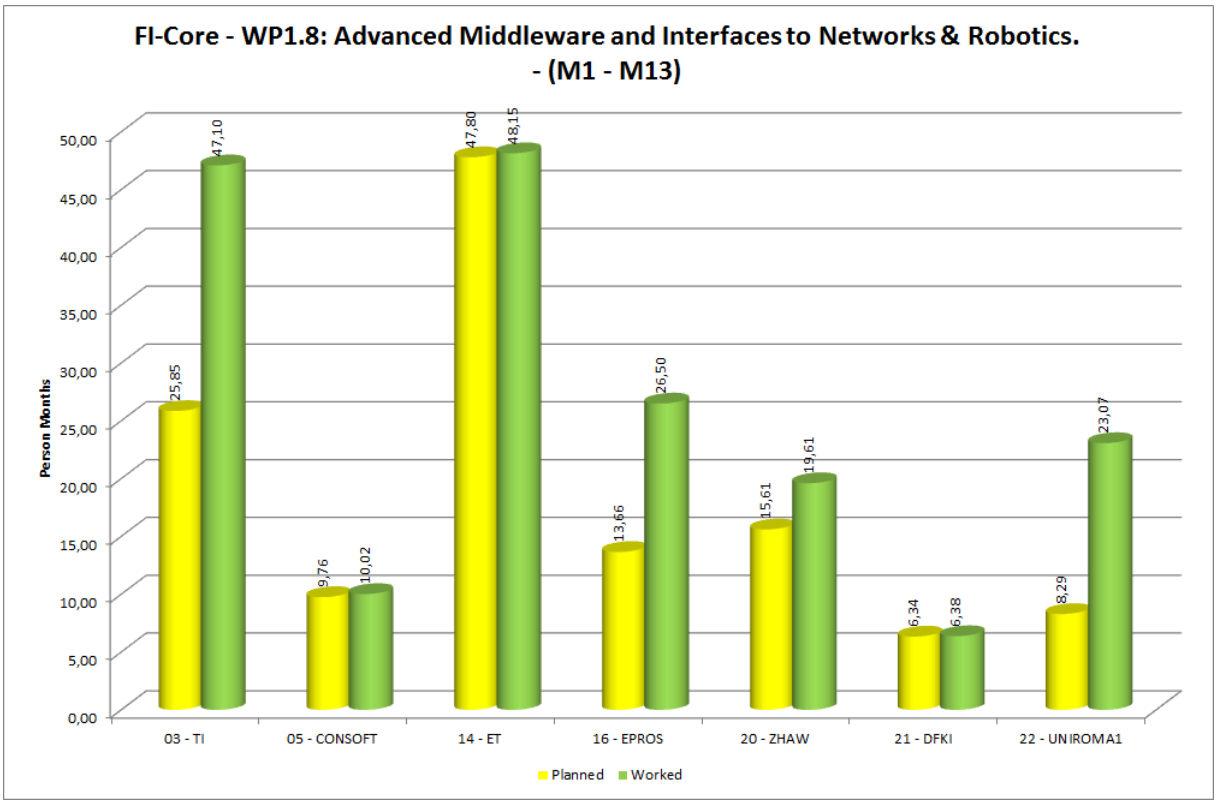
1.3.8 WP1.8: Advanced Middleware and Interfaces to Networks & Robotics.



Evaluation:

In summary, the WP achieved the expected goals, with a consumption of resources higher than planned due to the effort of providing either new (Netfloc, Robotics) or completely redesigned (Kiara middleware, NetIC's OFNIC) Generic Enablers a consistent implementation by M13.

The goal was providing working GEs by FIWARE Release R4, so that they could be suitable for use by the FIWARE adopters. The delivery of release R4 coincided with the end of the reporting period.

The strategy adopted to achieve the goal consisted in concentrating the development efforts during the first project year, while devoting the second year to the support of users and to minor improvements/bug fixes of the GEris, which requires much less effort.

Overall WP coordination of chapter (by TI), including new aggregation of GEs from other chapters, required slightly more effort than planned

This resulted in the overall resource consumption higher than originally expected, with a plan of recovery over the second project year (i.e. resource consumption reduction).

The technical reporting of WP1.8 is here:

- https://docs.google.com/document/d/1LBcxzSM8vUXiOiA1JLduCPoWKBGB6jZeBO-xuOl3o0o

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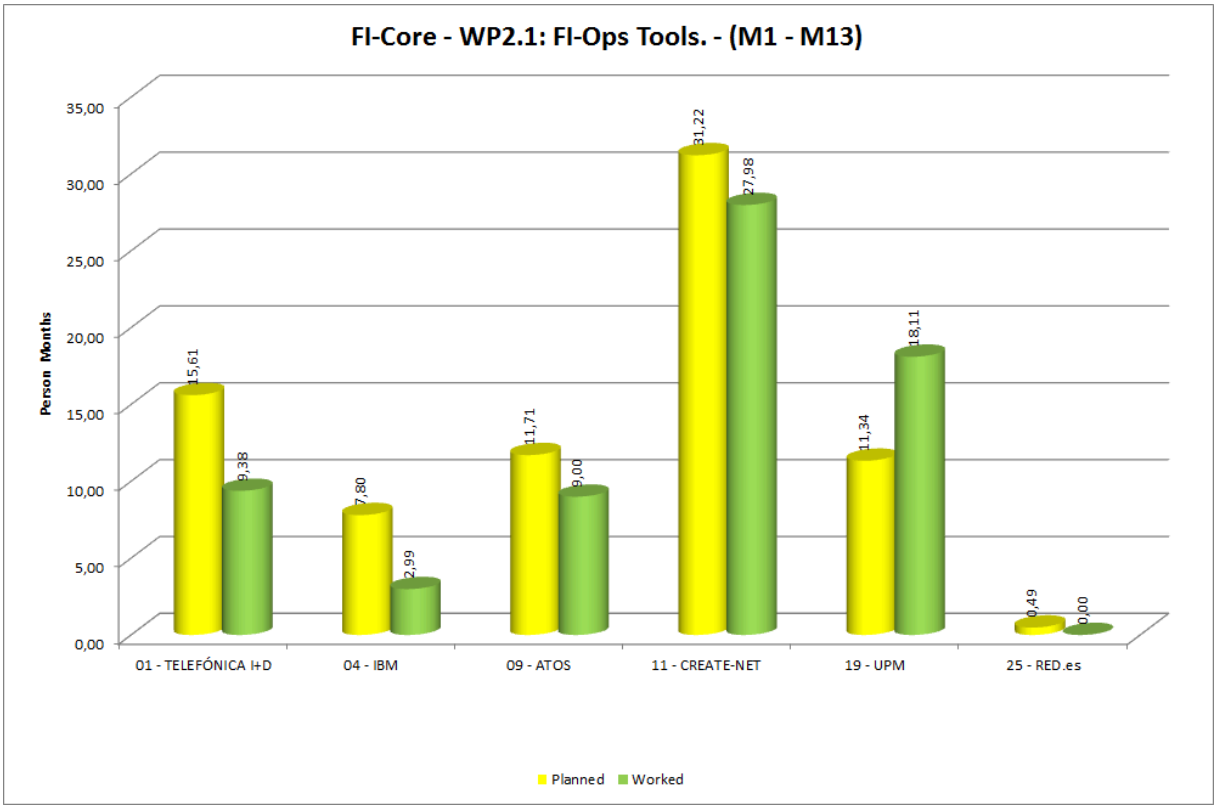
1.3.9 WP2.1: FI-Ops Tools.



Evaluation:

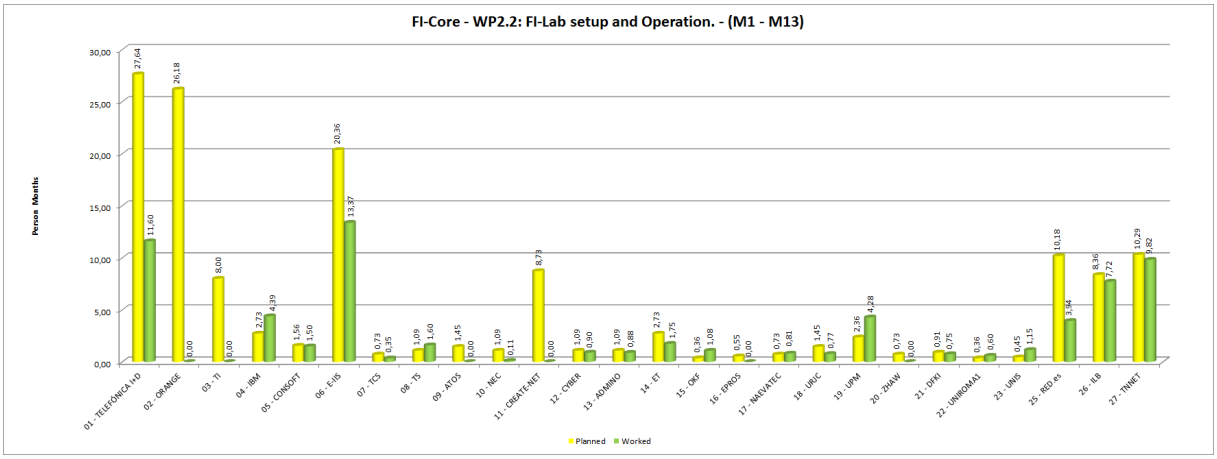
The work package experienced an under spending in this first year. This was mainly due to the linear distribution of the planned effort when the XIFI project was still running. One partner (UPM) declared more effort than expected but justified it explaining that the cost of the personnel employed was lower than expected, resulting, at the end, in a good balance with respect to the planned costs.

Comparing the effort declared with respect to the results obtained in the work package so far, the performances appear to be reasonable good for all the partners (even though UPM declared a lot of effort, the corresponding costs are in line with the planned ones).

The technical reporting of WP2.1 is here:

- **https://docs.google.com/document/d/1KUsX4j5TIfWDG_VZ2xSArR3K64n5zTU2vHA-SszsMLs]**

1.3.10 WP2.2: FI-Lab setup and Operation.



Evaluation:

The reason why of under spending of effort within the Whole the WP22 team is that this WP was supposed to start only at M13, in September 2015. The start date was anticipated mainly in order to cover the effort spent for handling the task force that was put in place in order to address issues related to the availability and stability of FIWARE Lab. Most of the Nodes owners and partners involved in activities related to FIWARE Lab were supposed to cover their activities on the nodes with the effort they had within the XIFI project, until the end of September 2015, and only after the end of XIFI those partners should have start to consume the effort allocated through the FI-Core project

[

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2) The rationale for the deviations and the actual status of the project in relation to them

We do not need a list of partners with significant deviations (this is already reported in the section of each partner). If a given partner has a serious deviation it can be mentioned, but the focus here is the overall status of the WP.

The technical reporting of WP2.2 is here:

- **https://docs.google.com/document/d/1VaanGUsjVgD_Flhir5fep0Y5DnsVanjNDExg_clrGSo**

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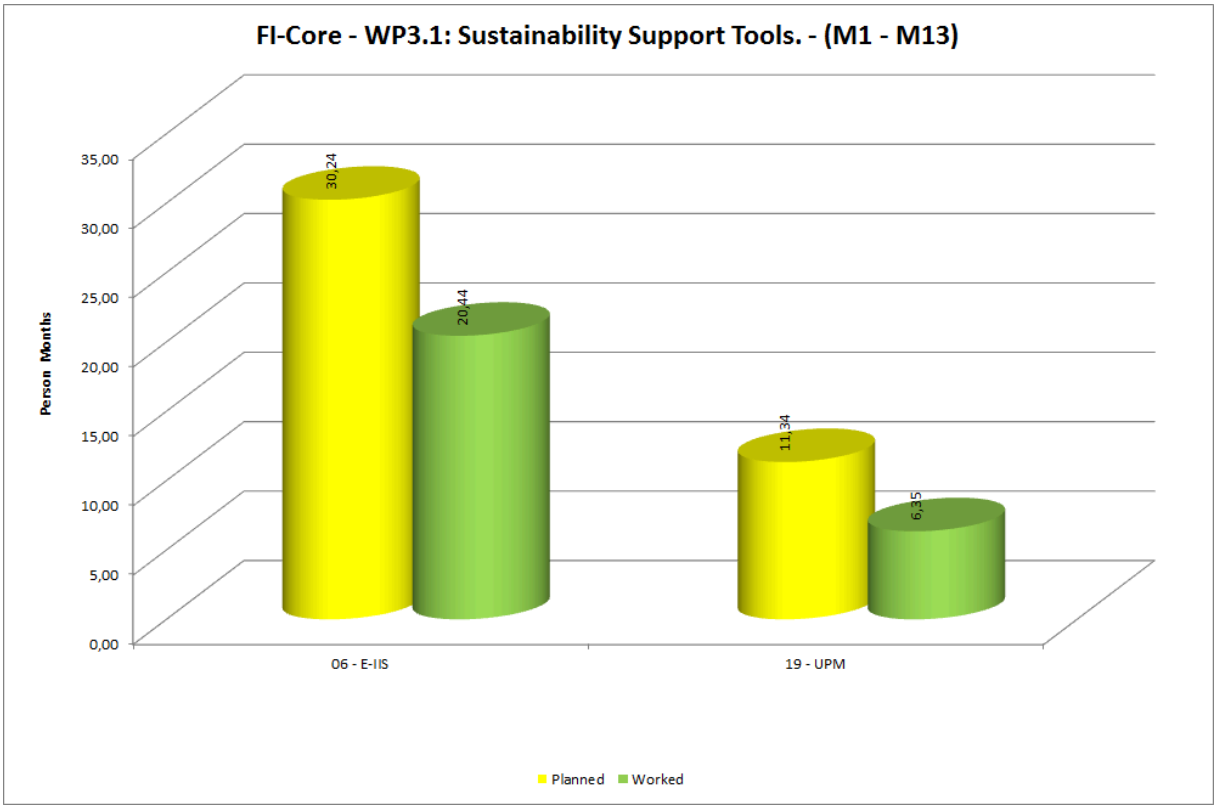
1.3.11 WP3.1: Sustainability Support Tools.



Evaluation:

In summary, the difference between planned and spent resources in this reporting period is not critical considering the shift of effort - of 18 PMs - done by E-IIS (from this Work package to WP3.2) and a minor under-spending of UPM. Objectives of the period were achieved, the planned developments were implemented, and adequate support to users was ensured; there are no deviations to be reported within this WP.

[

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2) The rationale for the deviations and the actual status of the project in relation to them

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The technical reporting of WP3.1 is here:

- **https://docs.google.com/document/d/1pJhlqKo8g61wwHe1ZKajUij7roDPjN7OdcSs3yVYJZI**

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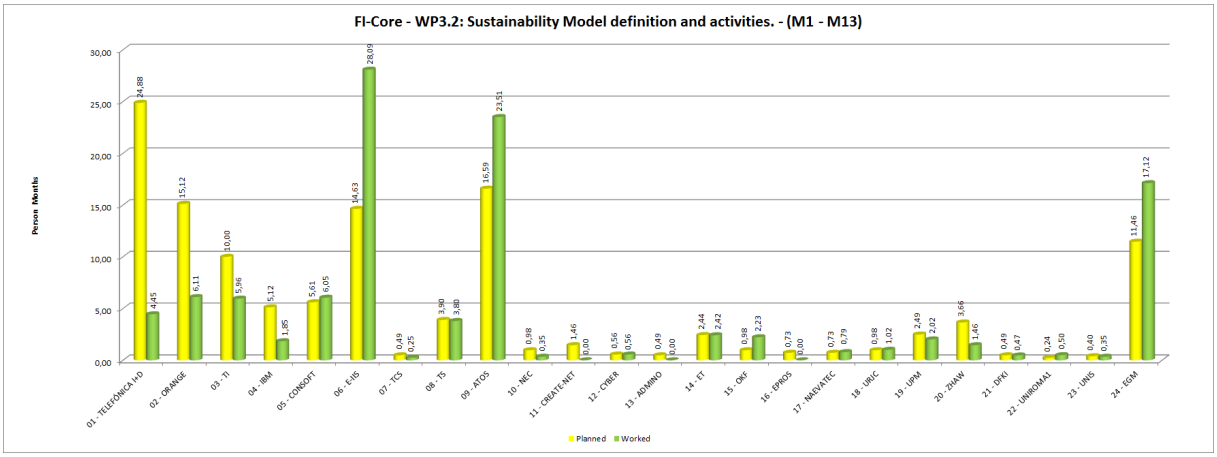
1.3.12 WP3.2: Sustainability Model definition and activities.



Evaluation:

In summary, we can explain the difference between planned and spent resources by the fact that some rules changed during the period. Indeed, following the announcement in march that 4 industrial companies (Core group) will design create and launch the Fiware Foundation, the Core group took the lead on the main actions of this work package.

Thus in this context the efforts focused on designing and launching the community by Orange, Atos, Telefonica and Engineering. Once the core group had a draft ready, then the Fiware partners could participate and helped to fine tune the organization and processes. But the planned resources could not exactly reflect what was spent. So Regarding delays, because the rules changed somehow the way to operate, we consider that the consumed resources during the reporting period is not totally reported mainly because internal work had to be done by all the core group companies and some other partners could not participate as they began (before march).

Some of the Core Group companies participated a lot in coaching activities, that could explain why they exceed the planned resources. But not all the internal resources concerning the Fiware foundation were reported as they were spent out of the Fiware oficial project scope.

Finally the planned goal is achieved concerning the creation of the Fiware community and the required deliverables were delivered on time. Only one deliverable is late (coaching reports) with no relation with the Fiware community.

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The technical reporting of WP3.2 is here:

- https://docs.google.com/document/d/10dAsxzvD_7OG9jBaHqx2aNcoDstcHXP6Qjx1uYb6Ctc

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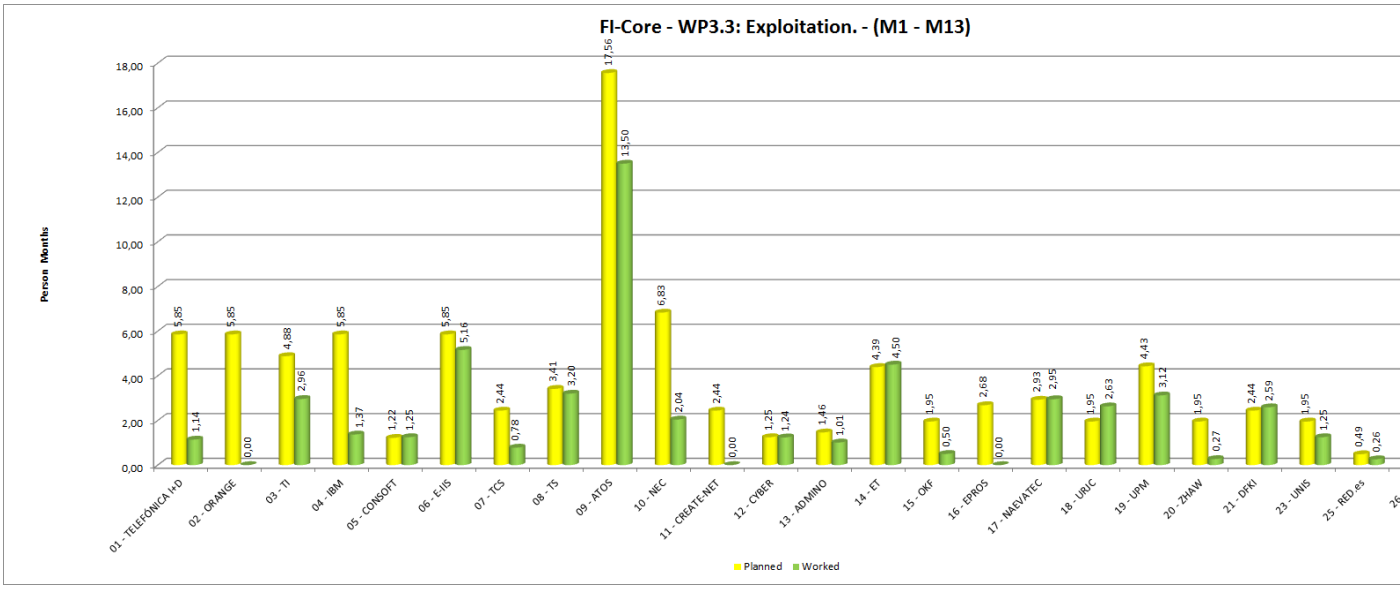
1.3.13 WP3.3: Exploitation.



Evaluation:

The work package experienced an overall underspending in this first reporting year. Most partners reported less effort than planned.

- This was mainly due to the linear distribution of the planned effort and because exploitation intentions have not really been influenced by the change of the FICORE scope. None partners declared more effort than expected, on the contrary all the partners reported less effort than planned, saving work for the second year, and will work on all deliverables planned.
- Additionally, contributions to the activities associated to task 3.3.2 (Expansion beyond Europe) has been stopped since these activities are already being assumed under the FI-Links project.

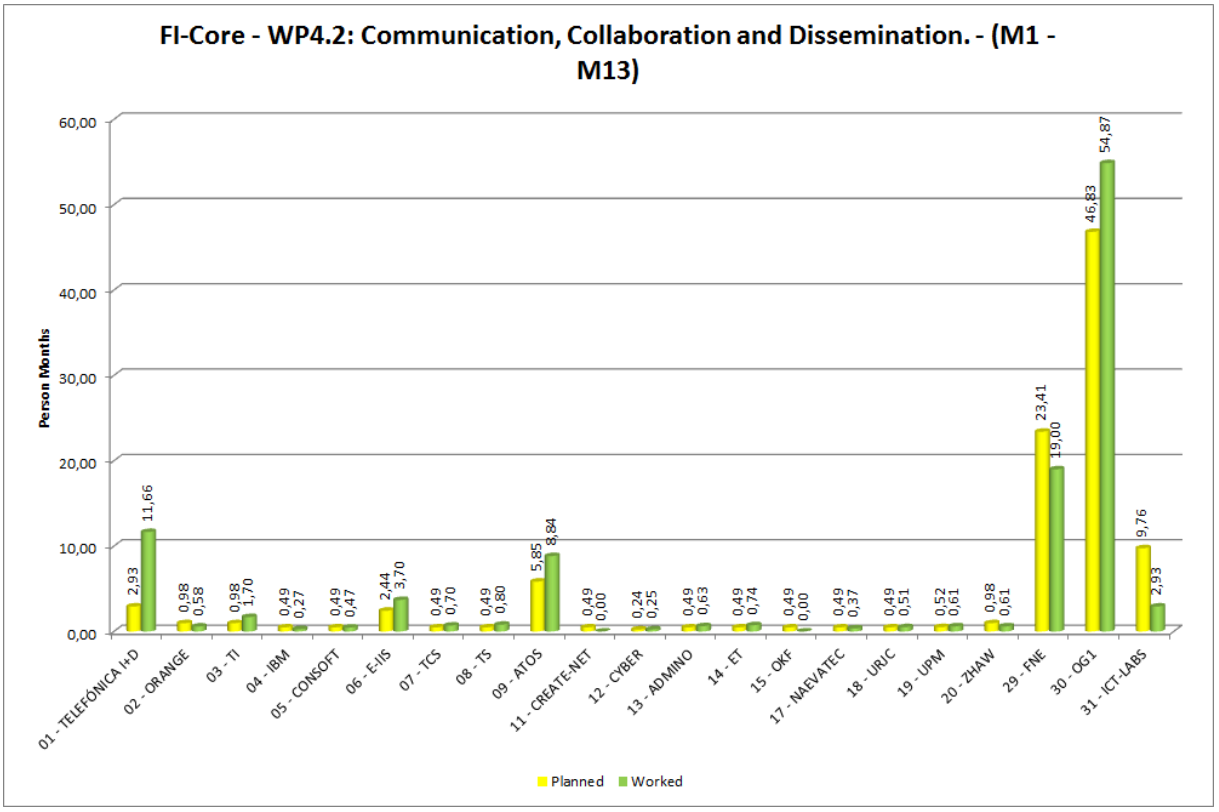
The four main companies integrating the CORE Group focused their exploitation efforts in the commercial alliance between these companies: Telefonica, Orange, Engineering and Atos.

Comparing the effort declared with respect to the results obtained in the work package so far, the performances appear to be reasonable good for all the partners, we have set up periodic calls to continue working next year.

The technical reporting of WP3.3 is here:

- https://docs.google.com/document/d/1psRC6ERQutJDEzIGqO4oH-ulkCLKw-_uTH9mbTrtTuk

1.3.14 WP4.2: Communication, Collaboration and Dissemination.



Evaluation:

As a whole, the partners contributing to WP4.2 overspent resources, mainly OG1 (WPL), TID and ATOS. All efforts were done without observing a linear spending as specifically asked by the EC, to be able to:

- Support the launching of the Accelerator Programme, boosting the visibility of the Open Calls among the target SME community.
- Support and spread the initial steps towards a FIWARE Community, including the creation of the Open Source Community and agreements with other stakeholders such as the OASC.
- Differentiate FIWARE by showing a prominent presence in events, both in terms of visibility at exhibitions and securing slots in conferences and Round Tables.
- Enhance and enlarge the number of marketing materials, both off-line and on-line, with special focus on audiovisual and the continuous adaptations of the website and social channels to meet FIWARE Brand Needs.

The technical reporting of WP4.2 is here:

- **https://docs.google.com/document/d/1Rryrs81PXX4bLgqbgoiO0lNUwYB-wnp7v6bzFRU6z2c**

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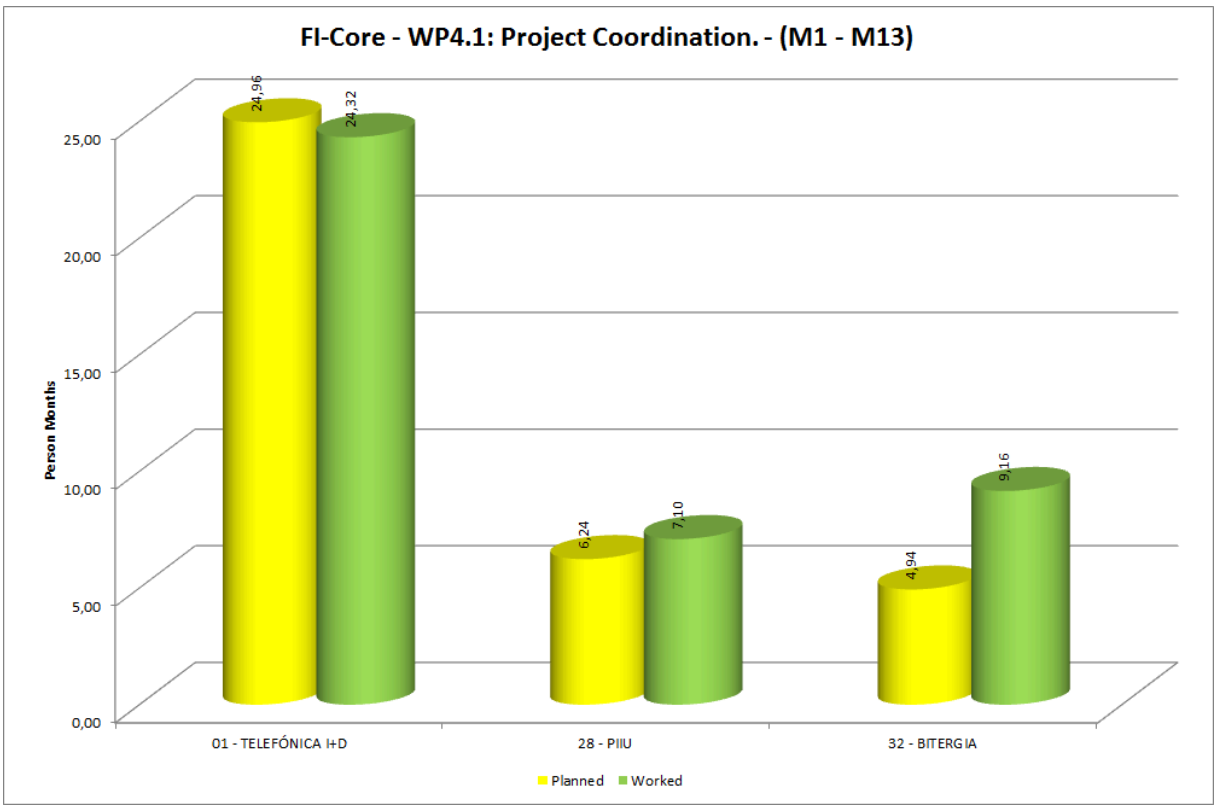
1.3.15 WP4.1: Project Coordination.



Evaluation:

In summary, … **[PENDING TO BE UPDATED BY THE WPL.]**

[

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The technical reporting of WP4.1 is here:

- **https://docs.google.com/document/d/1_Yzv-mZKuQAiml8-Q8ZOvhXhUOrIDOUWL6qDtYhE2qI**

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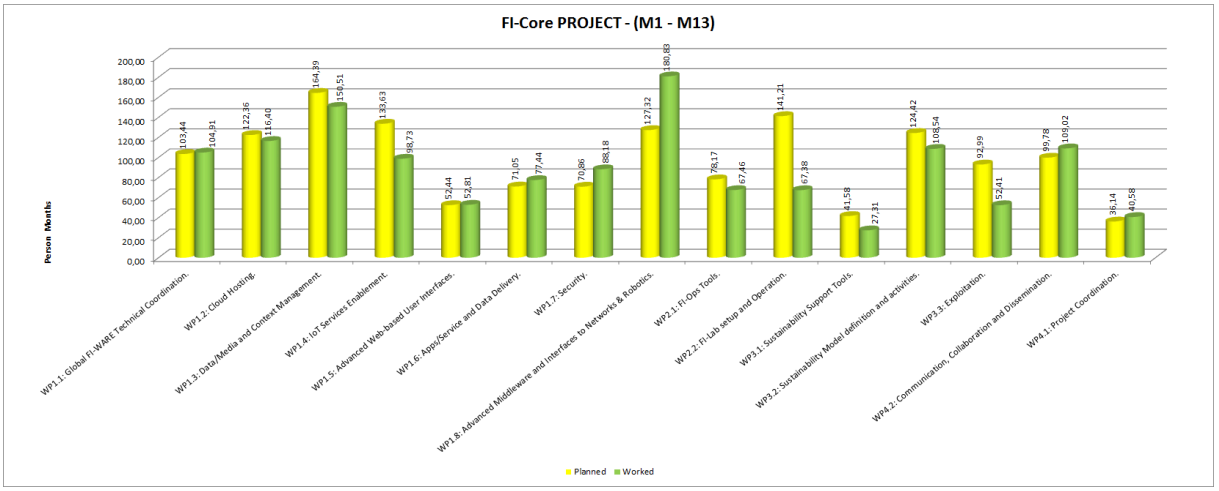
1.4 WHOLE PROJECT



Evaluation:

In summary, ….**PENDING TO BE UPDATED AT THE END BY THE COORDINATOR. EFFORT OF SEVERAL PARTNERS FROM M11 TO M13 ARE NOT PROVIDED YET.**