

# ProdSys2/DKB integration

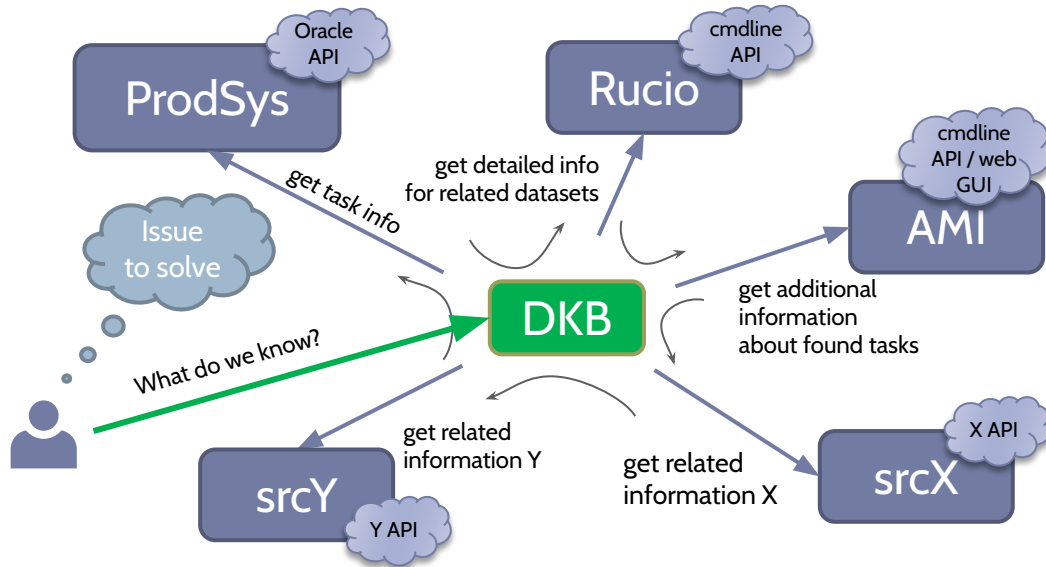
*status & plans*

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Marina Golosova, Mikhail Borodin

ADC WFMS meeting  
31/01/2019

# DKB overview



## More details:

- [DKB News](#) (SW&C #60)
- [ProdSys2 / Data Knowledge Base integration](#) (SW&C #61)

## DKB team:

- Marina Golosova  
*Kurchatov Institute (RU)*
- Vasily Aulov  
*Kurchatov Institute (RU)*
- Anastasiia Kaida  
*Tomsk Polytechnic University (RU)*

## Many thanks to:

- Alexei Klimentov  
*Brookhaven National Laboratory (US)*
- Mikhail Borodin  
*University of Iowa (US)*

# ProdSys/DKB integration: current status

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Back-end: Elasticsearch@DKB

<http://aiatlas171.cern.ch:9200>

Front-end: ProdTask interface

Ready to use:

- keyword (Google-like) task search

[https://prodtask-dev.cern.ch/dkb/#/task\\_keywords/14525970](https://prodtask-dev.cern.ch/dkb/#/task_keywords/14525970)

- derivation task statistics

[https://prodtask-dev.cern.ch/dkb/#/deriv\\_ratio/?amitag=p3553&project=data18\\_13TeV](https://prodtask-dev.cern.ch/dkb/#/deriv_ratio/?amitag=p3553&project=data18_13TeV)

- steps statistics: for hashtag

[https://prodtask-dev.cern.ch/dkb/#/steps\\_stat/?hashtag=MC16e\\_CP](https://prodtask-dev.cern.ch/dkb/#/steps_stat/?hashtag=MC16e_CP)

- task CPU usage calculation improved

Data sources:

- ProdSys2 (DEFT)
- Rucio
- AMI
- Chicago ES

# DKB&ProdSys: plans

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## **Near-term (2 months):**

- step statistics:
  - for request ID;
  - Gantt chart;
  - for derivation tasks (for every output data format);
- task chain statistics:
  - resource usage for the whole sample production.

## **Medium-term (4 months):**

- improve ES storage scheme (make things work faster):
  - involves the integration process reformation;
- add DKB API (make front-end development easier);
- address new use-cases.

## **Long-term (1 year):**

- additional tools to help in the new ATLAS workflows validation;
- detection of possible inconsistency and unexpected behaviour.

# Any comments and suggestions are welcome!

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Interface improvements?

Additional information?

New pages?