

Steven Sourbron, 15 may 2020:

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TF3.1 Digital Reference Objects and Phantoms

Current leads:

Confirmed members:

TF3.1 Aim

The inventory is aimed at researchers looking for data to test their perfusion analysis methods, and at data owners who want to share data for secondary research. The inventory developed by Task force 3.1 will include a curated list of publicly available digital reference objects (DROs), synthetic and physical phantom data that can serve as ground truth for perfusion analysis methods. Task force 3.1 will initially focus on identifying, listing and qualifying existing datasets. In a second phase we may identify gaps in the available data and take actions to fill them.

TF3.1 Roadmap

Milestone/Deliverable M0:

Description: TF Roadmap

Responsible: TBD

Means of verification: Visible on OSIPi site

Time of delivery: May 2020

Milestone/Deliverable M1:

Description: Inventory of DROs & code

Responsible: TBD

Means of verification: a) Call to Perfusion Study Group, b) Internally post list of contributors

Time of delivery: Aug. 2020

Milestone/Deliverable M2:

Description: Define inventory structure and synchronize between other task forces including TF2.1 and TF 3.2

Responsible: TBD

Means of verification: a) define format for capturing DROs and physical phantoms, b) Internally posted for team and shared with larger OSIPi effort for feedback

Time of delivery: Nov. 2020

Milestone/Deliverable D1:

Description: DRO & Code inventory v1.0

Responsible: TBD

Means of verification: internally visible on OSIPi site

Time of delivery: Feb. 2021

Milestone/Deliverable M3:

Description: Draft of sharing recommendations

Responsible: TBD

Means of verification: Posted internally to group

Time of delivery: May 2021

Milestone/Deliverable M4:

Description: a) First DRO & code samples available, draft recommendations. B) Announce a community challenge to address gaps in available phantoms and DROs.

Responsible: TBD

Means of verification: Externally visible example DRO/phantoms and draft of recommendations on OSIPi site

Time of delivery: Aug. 2021

Milestone/Deliverable M5:

Description: All DROs & Code available

Responsible: TBD

Means of verification: Externally visible full inventory of DRO/phantoms and updated draft of recommendations on OSIPi site

Time of delivery: Nov. 2021

Milestone/Deliverable D2:

Description: Recommendations for DRO & code sharing

Responsible: TBD

Means of verification: Finalized document externally visible on OSIPi site

Time of delivery: Feb. 2022

Milestone/Deliverable D3:

Description: DRO & Code inventory v2.0

Responsible: TBD

Means of verification: Updated Inventory of phantoms and DROs externally visible.

Time of delivery: May 2022