eTRIKS European Translational Information & Knowledge Management Services
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Facts & Figures
Start date 01/10/2012
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Contributions
IMI funding 10 309 818 €
EFPIA in kind 10 795 178 €
Other 3 139 745 €
Total Cost 24 244 741 €
Project website www.etriks.org

Challenge
Background and Motivations
Data intensive translational research requires
• Knowledge management environment
• Sustainable and integrated access to the data
• Reusable data and interactive visual-analytics

Project Highlights
IMI-eTRIKS focuses on building a sustainable KM platform that is essential for efficient and successful collaboration
• Supports data management throughout the life cycle of translational research projects
• Guarantees high quality data curation facilitating re-usability of the data
• Enables analysis and integration of highly complex clinical and multi-omics data
• Provides dynamic and interactive visual-analytics for data exploration, hypothesis generation

Approach & Methodology
Curation and Harmonisation

Integration

Dataset explorer, summary statistics

Results
eTRIKS’ Public Server main deliverable

Value of IMI collaboration

Impact & take home message

High-quality Datasets
• Over 180 curated public studies populated in the public server available at https://public.etriks.org
• Sustainability of public server guaranteed via collaboration with ELIXIR (LU)
• IMI-Data Catalogue, in collaboration with ELIXIR(LU) at https://datacatalog.elixir-luxembourg.org

Interactive Visual-analytics
• Interactive visual-analytics framework, SmartR, enables users to explore data and generate hypotheses (http://etriks1.uni.lu)
• Basic data exploration by boxplots, line graphs, correlation analysis, survival analysis and logitregression
• Omics data analysis and links to other systems via interactive heatmap, Volcanoplot, IPAconnector

Supports over 40 IMI projects for their data integration

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