



Newsletter #1 - December 2018

Welcome

We are delighted to present the first issue of the eTRANSAFE newsletter!

The eTRANSAFE project will improve the efficiency of translational safety assessment

Keynote



By Prof. Ferran Sanz

eTRANSAFE Project Coordinator

The eTRANSAFE (Enhancing TRANslational SAFETY Assessment through Integrative Knowledge Management) project aims at enhancing the efficiency of translational safety assessment during the drug discovery and development process by means of the development of an integrative data infrastructure and innovative computational methods and tools. This infrastructure will be underpinned by legacy data sharing, the use of data standards, such as the SEND format for preclinical studies, and the implementation of a modular computational architecture.

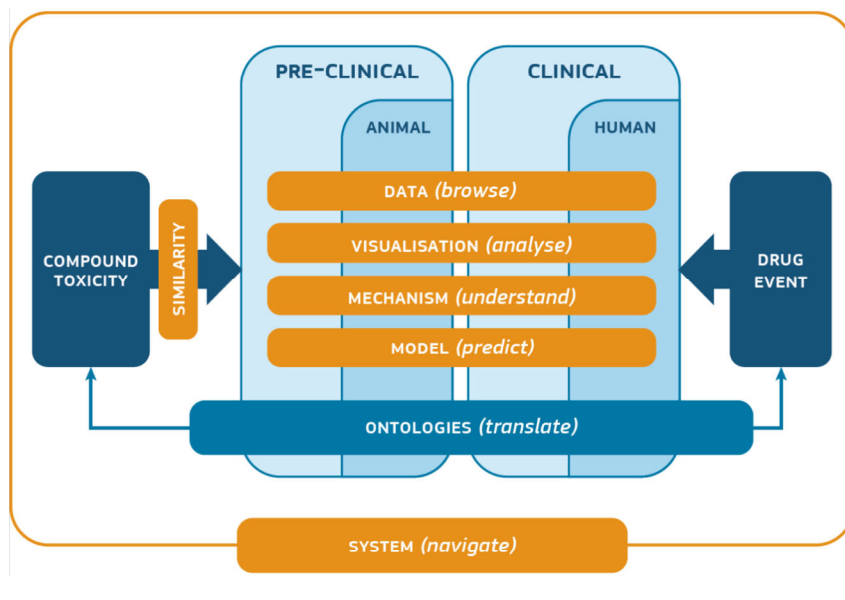
eTRANSAFE started its journey in September 2017 and during the first year, we have set the foundations for the development of widely accepted guidelines on safe legacy data sharing, and we have been working in the extension of the preclinical database released in the previous IMI eTOX project, in terms of incorporation of individual animal data in SEND format together with structural and pharmacological information. In addition, identification of useful data available in the public domain, its integration with the data contributed from the EFPIA partners and the identification of potential challenges by means of prototypes and use cases have been the first steps to move forward the development of the eTRANSAFE Knowledge Hub.

In the past months, an internal group, which gathers representatives from all workpackages, has been intensively working on the development of a preliminary prototype solution that allows searching for compounds, annotation of those compounds with pre-clinical and clinical data and visualisation of that data. This has proven to be a useful exercise to provide the project a means to better explore how data will need to be integrated and accessed from the Final Knowledge Hub. This work will be further developed.

The Project is pleased of the progress achieved and will continue advancing towards the final objective of supporting and improving the drug discovery and development.

We hope that more people subscribe to the eTRANSAFE Newsletter to be up to date on the progress of the Project activities.

The Vision of the eTRANSAFE Translational Safety Assessment



Latest News

eTRANSAFE appoints new SAB members

The Scientific Advisory Board of eTRANSAFE has been enlarged with three new members in November 2018. The eTRANSAFE SAB members are committed to provide additional independent expertise and knowledge on scientific and technical matters that can inform the approach and strategies on the project.

Know more about their scientific background on the eTRANSAFE project website.

[Read more](#)



Eisai Co. Ltd., a new member of the eTRANSAFE Consortium

The Japanese company Eisai Co. Ltd. became an eTRANSAFE partner from 1st of January 2018. Eisai representatives participated in the 2nd CM in February 2018, from which started to prepare their concrete contributions and to initiate their commitments.

[Read more](#)

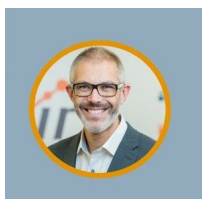


eTRANSAFE at the IMI's 10th Anniversary Celebration

eTRANSAFE was present at the IMI 10th Anniversary Scientific Symposium and the IMI Stakeholder Forum.

[Read more](#)

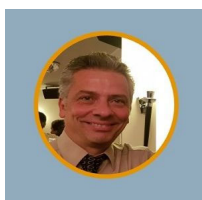
Meet the Team



Interview with Niklas Blomberg

Niklas Blomberg is the Director of ELIXIR. In this interview, he explains his involvement and collaborations in the project as WP leader...

[Read more](#)



Interview with Alexander Amberg

Alexander Amberg, head of In Silico Toxicology at Sanofi. In this interview, he analyses his role in the project as an EFPIA representative...

[Read more](#)

Upcoming events

[Workshop: Application of non-animal approaches for decision-making in chemical safety assessment](#)

10-11 December 2018 | London (UK)

[SOT: Annual Conference of the Society of Toxicology](#)

10-14 March 2019 | Baltimore (US)

[PhUSE 2019 Computational Science Symposium](#)

9-11 June 2019 | Maryland (US)

Publications

[Development of an Infrastructure for the Prediction of Biological Endpoints in Industrial Environments](#) Lessons Learned at the eTOX Project. Pastor M, Quintana J, Sanz F. *Front. Pharmacol.* 2018. 9:1147

[Improving the Safety Assessment of Chemicals and Drug Candidates by the Integration of Bioinformatics and Chemoinformatics Data](#). Steger-Hartmann T, Pognan F. *Basic Clin Pharmacol*, 2018, 123,29–36

[Network, Transcriptomic and Genomic Features Differentiate Genes Relevant for Drug Response](#). Piñero J, Gonzalez-Perez A, Guney E, Aguirre-Plans J, Sanz F, Oliva B, Furlong LI. *Front. Genet.* 2018 9:412.

[Read more](#)

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