

**Interreg
Danube Region**



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Tethys

Tethys - Kick-off conference

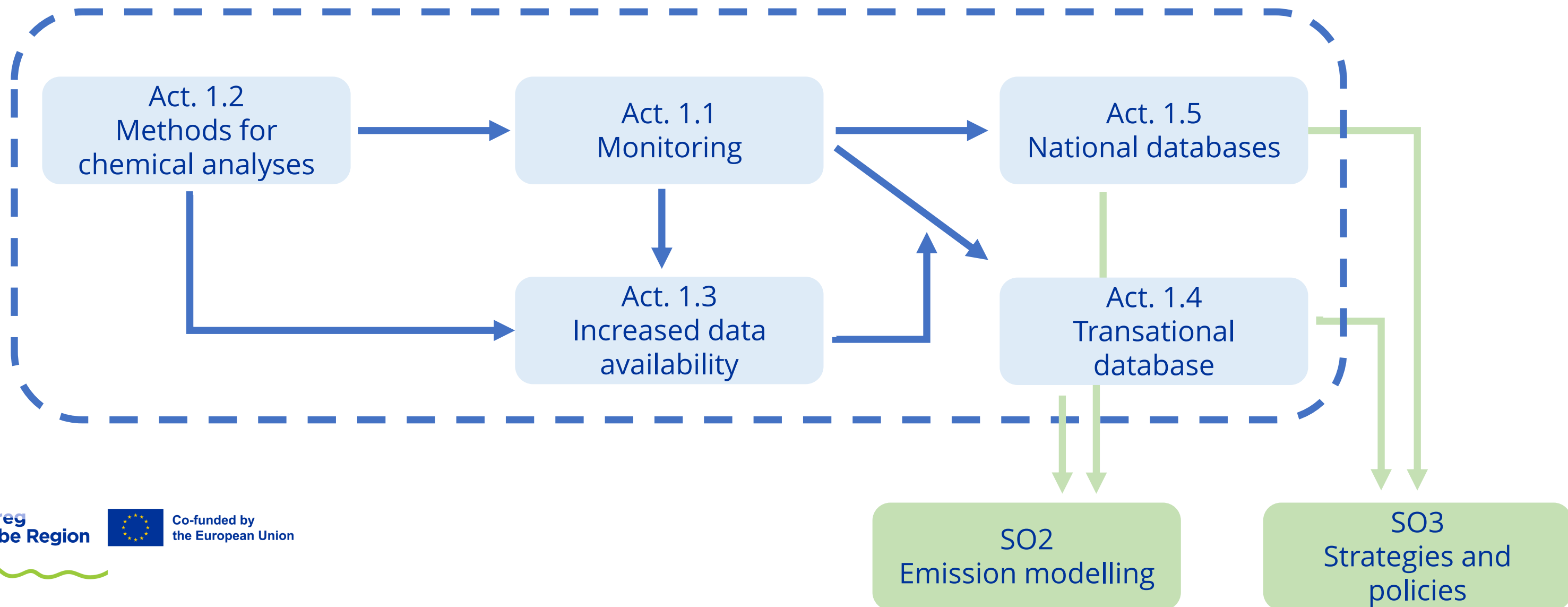
**SO1 Fit-for-purpose and harmonized data acquisition,
management and assessment of HS water pollution**

Vienna – 11/04/2024

Matthias Zessner

Specific objective SO1

Fit-for-purpose and harmonized data acquisition, management and assessment of HS water pollution



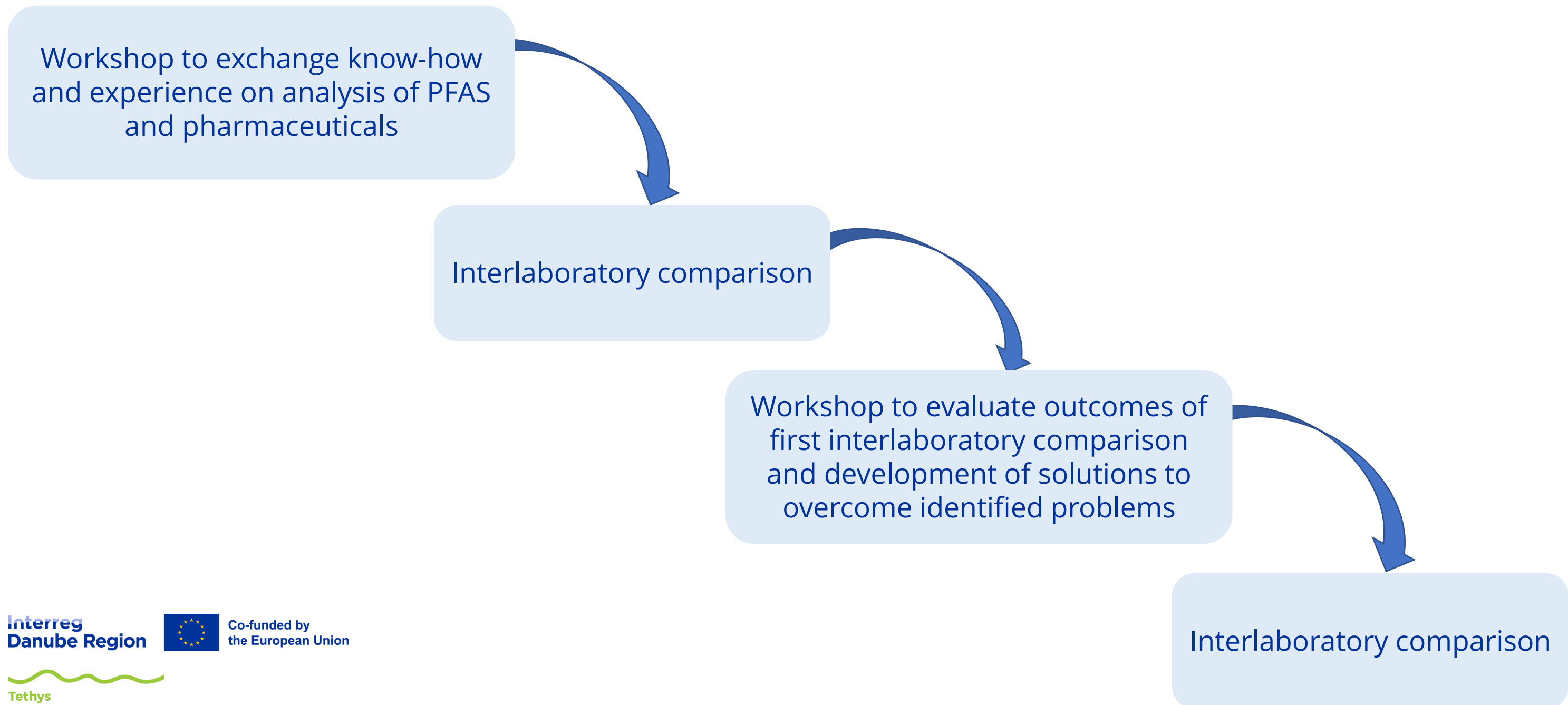
Activity 1.1

Targeted cost-efficient transnational measurement of HS occurrence and concentration level in critical regions and in critical emission pathways

- Monitoring strategy aimed at providing input and validation data for emission modelling
- Scope of chemical analyses: potential toxic elements, PFAS and pharmaceuticals
- Scope of sampling:
 - **non-EU countries** – main rivers, tributaries, wastewater treatment plants, but also potential hotspot sites and focus on catchments with specific or dominant pollution, upstream catchments with background contamination and catchments with mixed conditions
 - **EU countries** – specific emission pathways (e.g. stormwater runoff)

Activity 1.2

Establishment, advancement and harmonization of chemical analyses for HS posing new challenges



Activity 1.3

Critical assessment and development of a road map for enhanced availability and sharing of data relevant for HS pollution assessment and management

- Focus on enhancing availability for input and validation data for emission modelling and emission inventories
 - Making existing data actually available for other institutions
 - Providing metadata together with data (necessary for statistical analysis and extrapolations)
 - Publishing data with explicit and adequate licenses (to enable reuse of data)
- Focus on dialogue with data holders and providers to enhance awareness and identify solutions

Activity 1.4 und Activity 1.5

Testing, optimization and implementation of a HS database as an operative transnational tool to support regular transnational modelling-based status, risk and scenarios assessment

Testing and operative implementation on national scale of HS databases, coupled with tool for water pollution analyses

SCOPE: data and metadata on HS concentrations in multiple compartments to support risk assessment and establishment of emissions inventories

Further development and operative implementation of transnational database from DH m³c

Harmonization



Long-term vision of compatibility and easier exchange of data across national boundaries

Process of testing and implementation of 9 national databases

Matthias Zessner

mzessner@iwag.tuwien.ac.at

TU Wien

Karlsplatz 13

1040 Vienna, Austria

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