



# AQUARIUS H2020 PROJECT:

**Coordinator:**

Technikon Forschungs- und Planungsgesellschaft mbH

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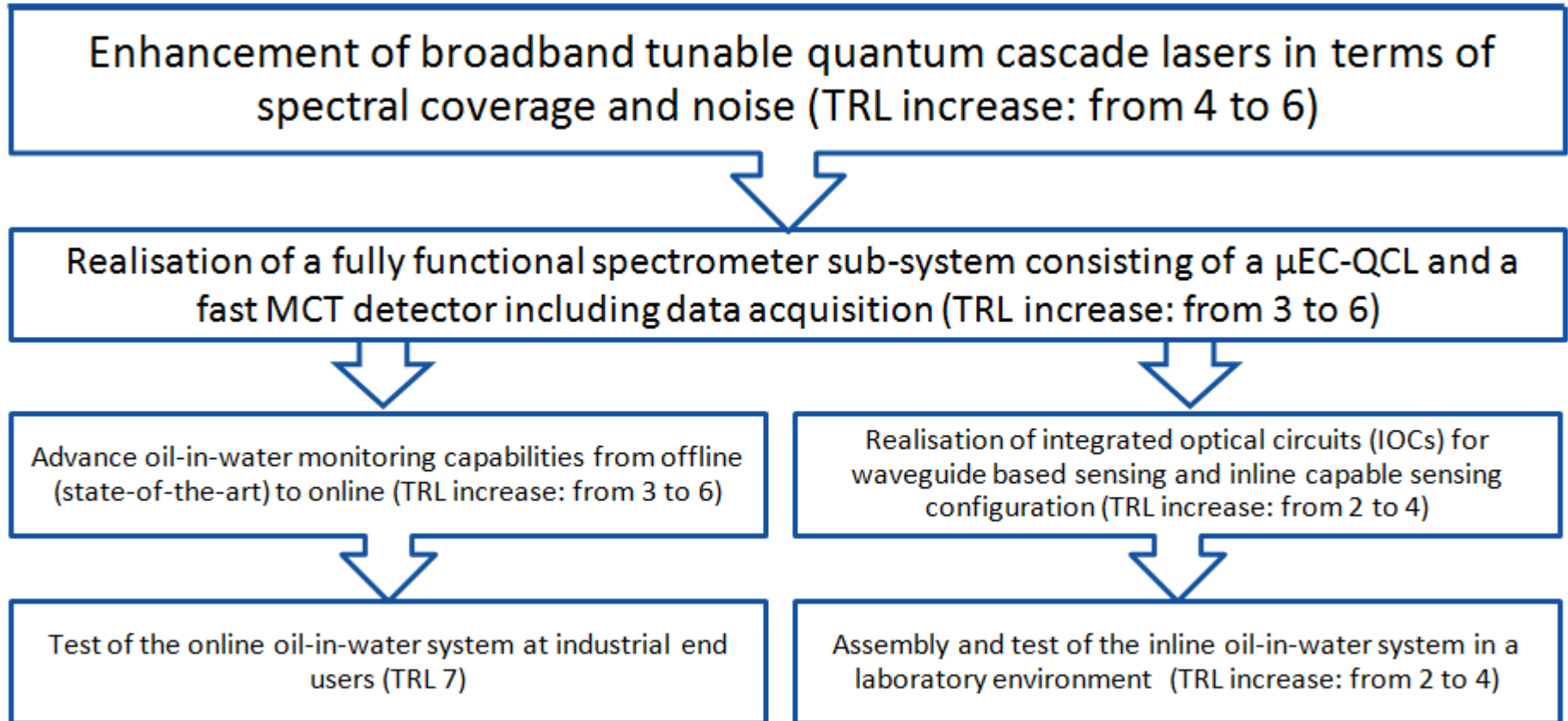
The AQUARIUS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731465. This project is an initiative of the Photonics Public Private Partnership.

Broadband tunable QCL based sensor for online and inline detection of contaminants in water

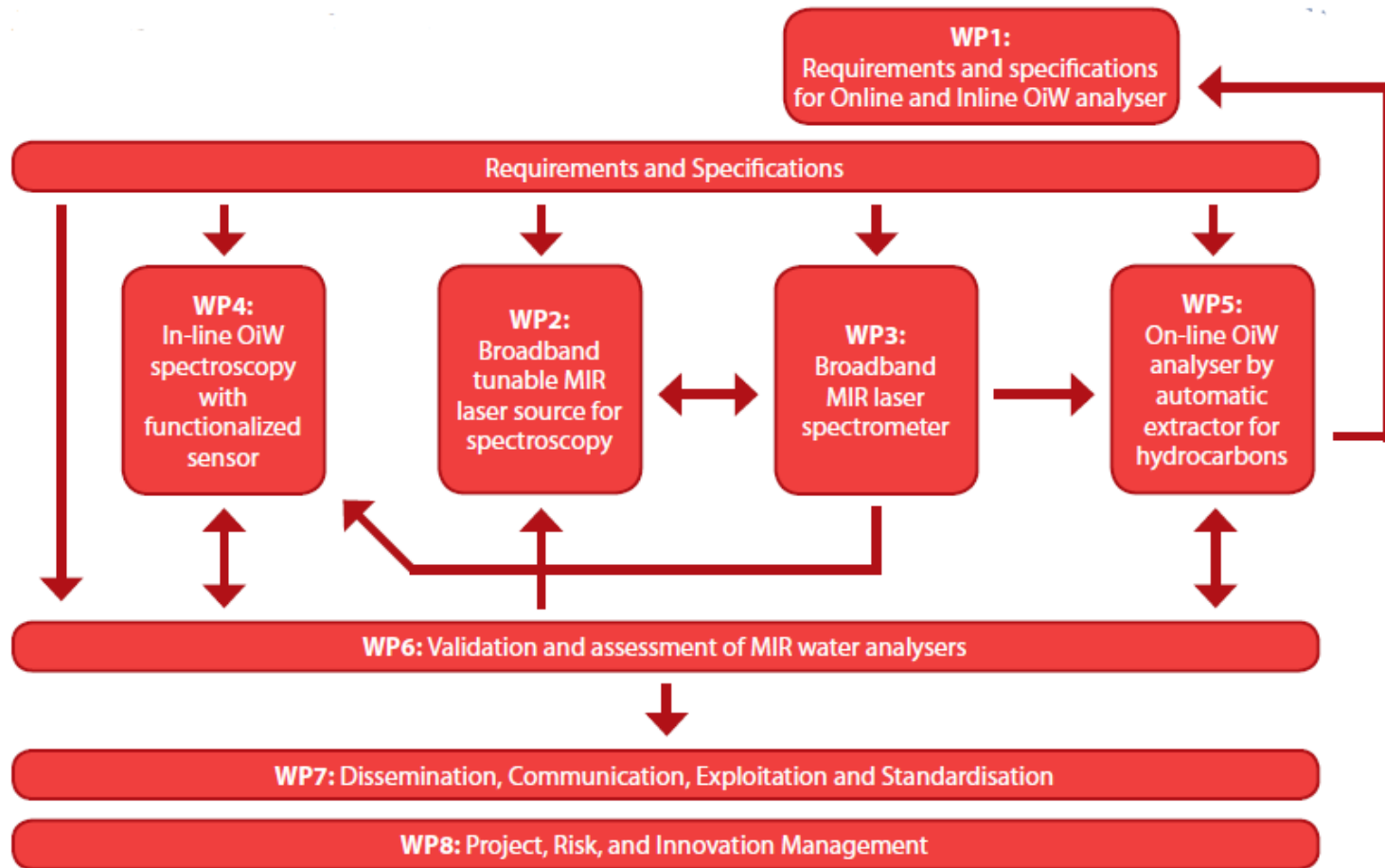
## General Project Information

- Project reference: **731465**
- Project start and duration: **01/01/2017** for **3 years**
- Total costs/EC contribution: **EUR 3.891.263,75** / rate of reimbursement 100%
- **8 Partners** from **5** different European countries
- **Mission:** to develop pervasive online and inline sensing systems based on advanced photonic structures for detecting contaminants in water
- Website: [www.aquarius-project.eu](http://www.aquarius-project.eu)

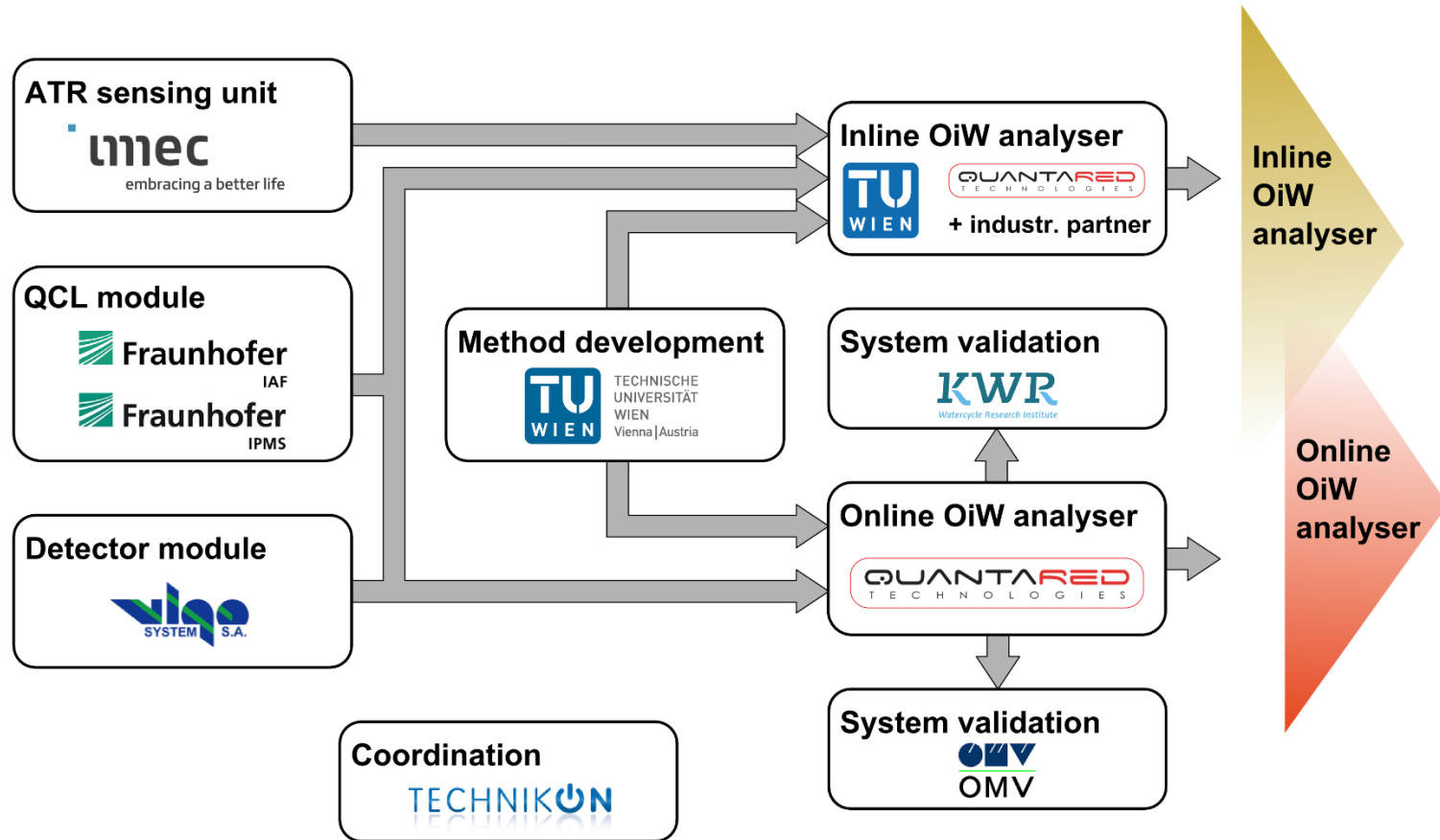
# Project Goals



# WP Interaction



# Chain of Partners



# Impact

- AQUARIUS will **reduce the threat of hydrocarbons in water streams** by the use of **new photonic modules**, sub-systems and systems for **fast online and inline monitoring** (response time up to < 30 seconds)
- The project will support the building up of **high performance** (sub-ppm to low-ppb sensitivities and high selectivity) oil in water **monitoring infrastructure**
- AQUARIUS will **enhance the water quality** in and near industrial
- AQUARIUS will address industrial waste water control on the short term, **environmental control** on the middle term and control along the water supply infrastructure on the long term
- The project will provide a generic **sensor technology** which will trigger **new spectroscopy application innovations** in water and liquid monitoring



# OMV Water Treatment Plant Schönkirchen, Austria



# Contacts

## Project Coordinator

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## AQUARIUS Grant Agreement No. 731465

“The AQUARIUS project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 731465.”

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