

EIT KIC Water

ONE WATER 2025

A decorative white wavy line consisting of three connected sine waves.

15. Mai 2025, Tulln 3430, Österreich
Konrad-Lorenz-Straße 20, IFA Tulln



Warum EU-Initiative für Wasser?

- Vorbeugung von Wasserknappheit, Dürre und Überschwemmungen
- Erhalt der Funktionsfähigkeit von Süßwasser- und Meeresökosystem
- Kreislauforientierte und nachhaltige blaue Wirtschaft
- Vermeidung von Nutzungskonflikten (sektoral und regional)
 - Wasser als transsektorale und transnationale Ressource
- Ökonomischen Bedeutung der Ressource Wasser
 - Jährliche Bruttowertschöpfung EU-weit: 3,4 billionen Euro (26%)
 - 44 Mio. Beschäftigte
- Wirtschaftliches Nutzungspotential der Wasserwirtschaft und nachgelagerter Sektoren (Energie, Landwirtschaft) **technologisch** heben
 - **‘Innovation Union’** must be established in order to **close the current deficits** in the high-tech sector, which are and will be the cause of no growth. **Changes** must come **through innovation** in order to **create competences in Europe** (Draghi report, 2024).
 - There is a **need for universal education across Europe (competence)** in order to **jointly train entrepreneurs** (also in the water sector) in Europe (Enrico Letta, 2024).

Was ist ein KIC (nicht)?

- eine missions-orientierte
- pan-europäische
- Wissens- und Innovationsgemeinschaft
(„Knowledge Innovation Community“ - KIC)
- „Knowledge Triangle“ d. Innovation: Forschung + Wirtschaft + Lehre
- **Ziel: Forschungsleistungen gesamtwirtschaftlich nutzbar machen**
- Laufzeit: 7 + 7 Jahre Förderung

NICHT: akademische Forschung

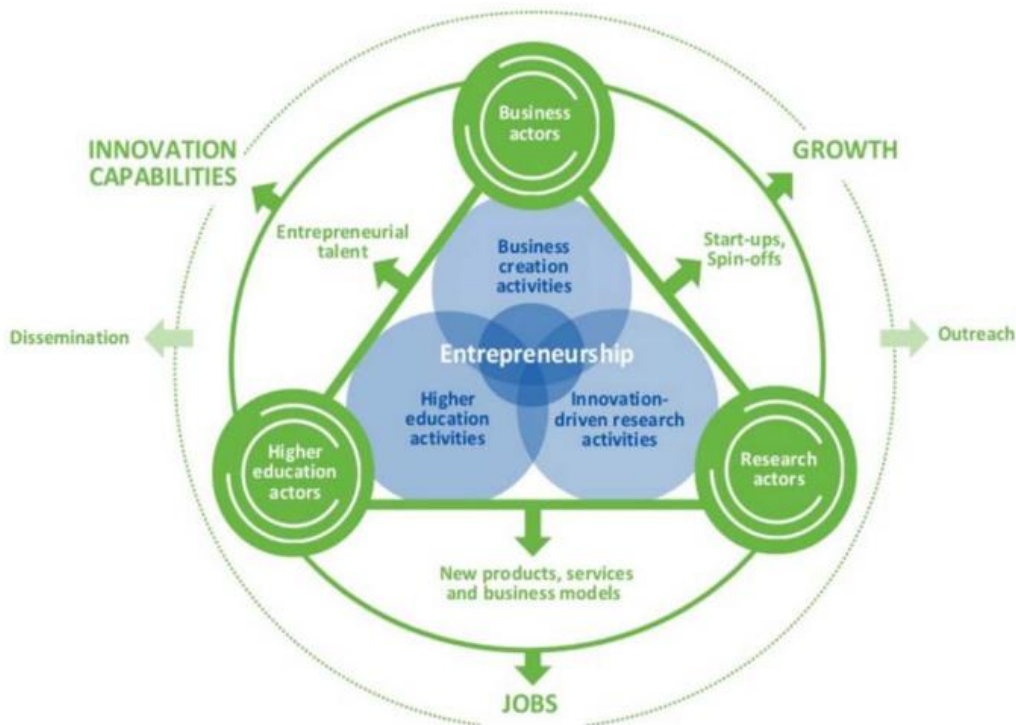
NICHT: Policy



Allwaters Konsortium

- **Konsortialführung:**

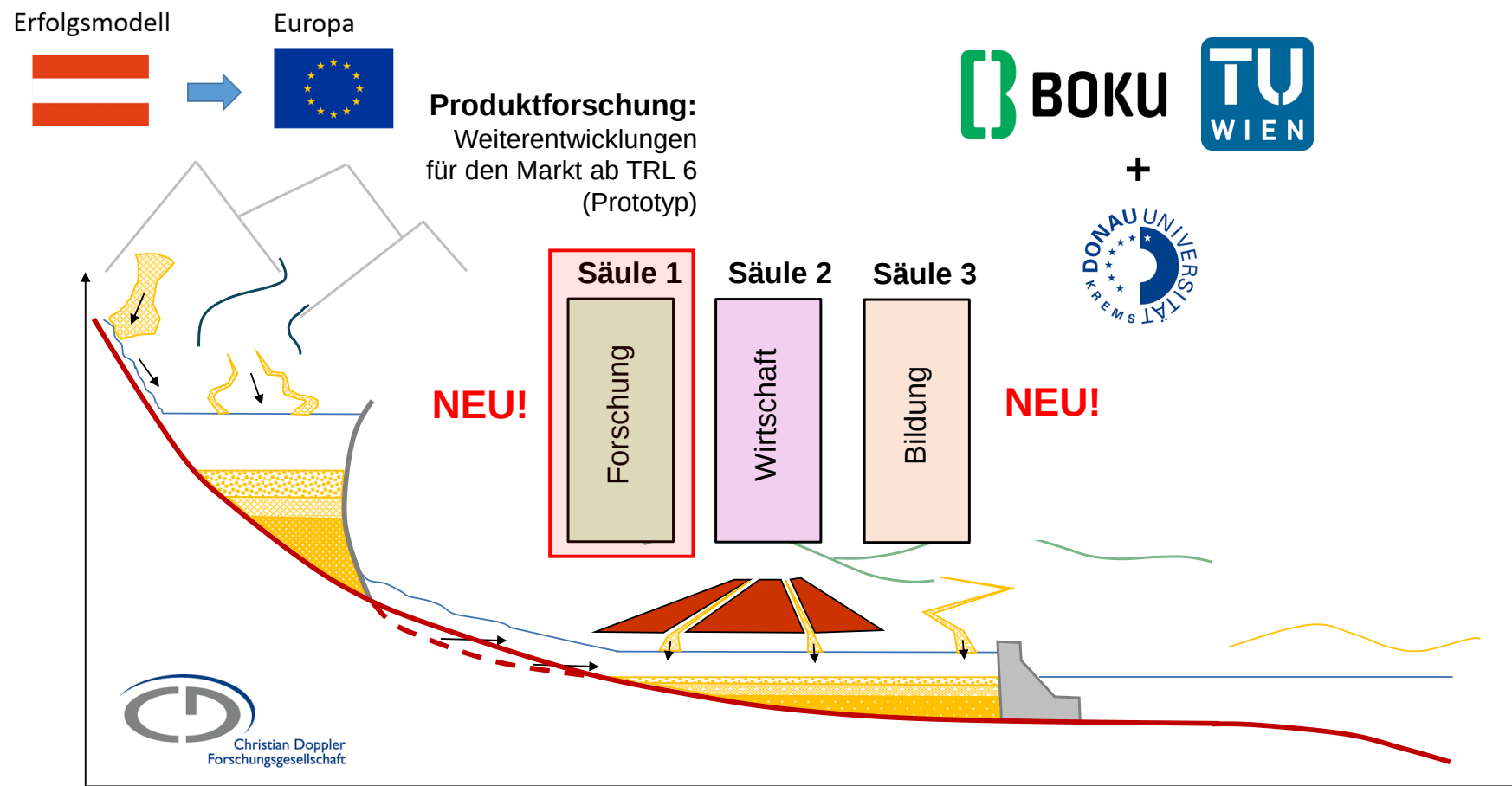
Uni Aarhus / Dänemark



Mission:

„Aufbau einer Innovationsunion im 3-Säulen Modell, um Europa im globalen Wettbewerb durch spezifische Ausbildungen und unternehmerische Innovationen zu stärken!“

Allwaters Konsortium



CLC Konzept im Projekt

- CLC = „Co-Location Center“ – regionales Zentrum
- Zwecks regionaler Verankerung EU-weiter Strategie
- Alle 3 Seiten des Wissensdreiecks der Innovation
 - Forschung, Wirtschaft, Lehre
- Schwerpunkte gemäß regionalen Erfordernissen
- Thematische Leadership
- Kommunikations-Hub im KIC



CLC Danube

From Mountains to Coast ...



WATER

FOOD

ENERGY



BOKU
UNIVERSITY



TECHNISCHE
UNIVERSITÄT
WIEN

CLC Danube - Vernetzung

HUB - Brussels



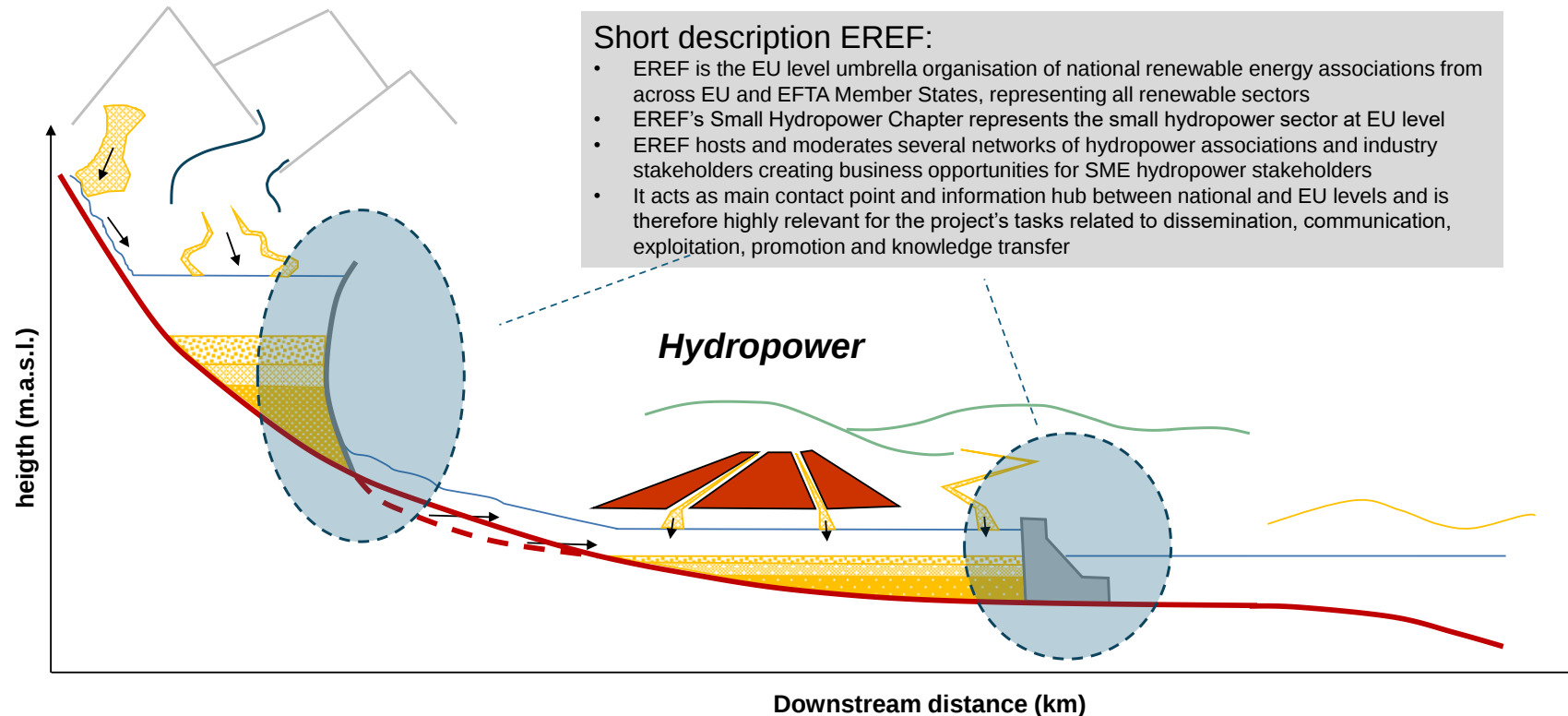
WATER QUANTITY

ENERGY

EREF European
Renewable
Energies
Federation

Short description EREF:

- EREF is the EU level umbrella organisation of national renewable energy associations from across EU and EFTA Member States, representing all renewable sectors
- EREF's Small Hydropower Chapter represents the small hydropower sector at EU level
- EREF hosts and moderates several networks of hydropower associations and industry stakeholders creating business opportunities for SME hydropower stakeholders
- It acts as main contact point and information hub between national and EU levels and is therefore highly relevant for the project's tasks related to dissemination, communication, exploitation, promotion and knowledge transfer



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EREF research:

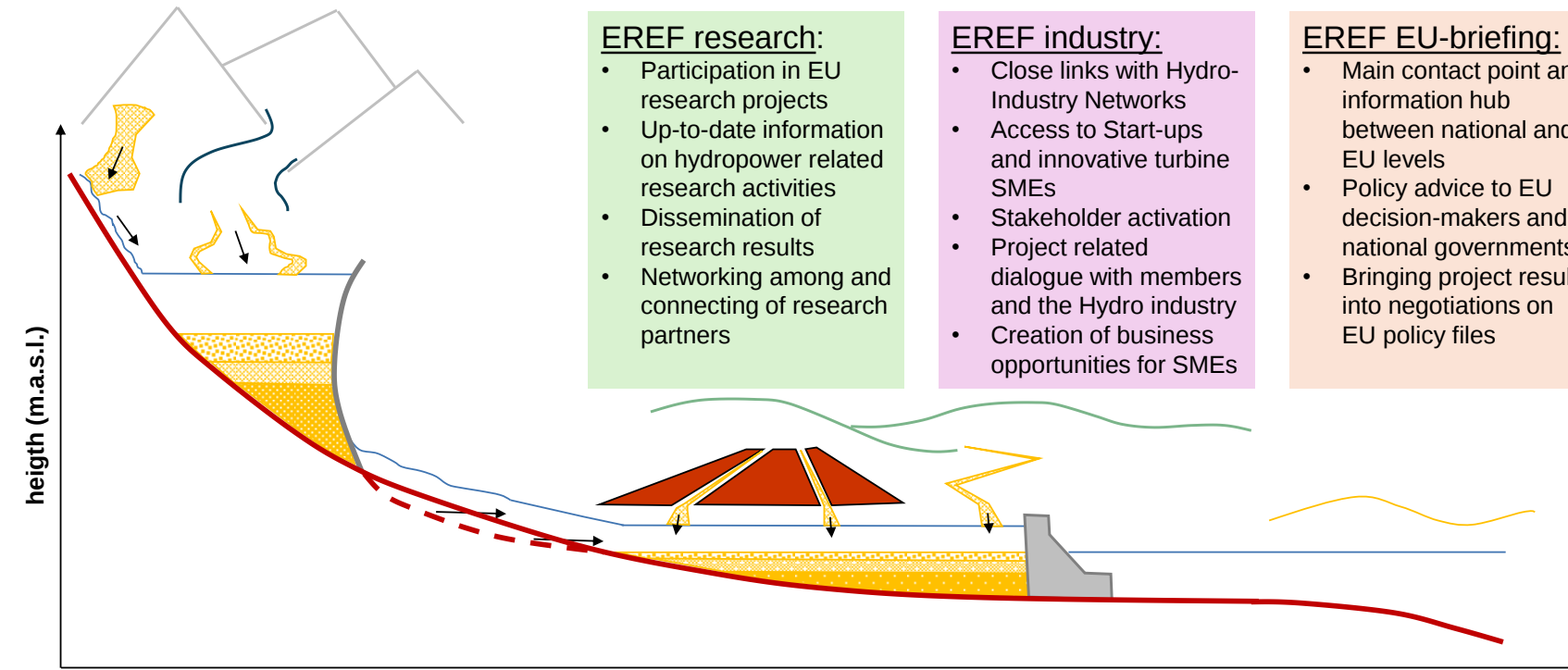
- Participation in EU research projects
- Up-to-date information on hydropower related research activities
- Dissemination of research results
- Networking among and connecting of research partners

EREF industry:

- Close links with Hydro-Industry Networks
- Access to Start-ups and innovative turbine SMEs
- Stakeholder activation
- Project related dialogue with members and the Hydro industry
- Creation of business opportunities for SMEs

EREF EU-briefing:

- Main contact point and information hub between national and EU levels
- Policy advice to EU decision-makers and national governments
- Bringing project results into negotiations on EU policy files



CLC Danube - Vernetzung

HUB - Ceske Budejovice



WATER QUALITY

FOOD

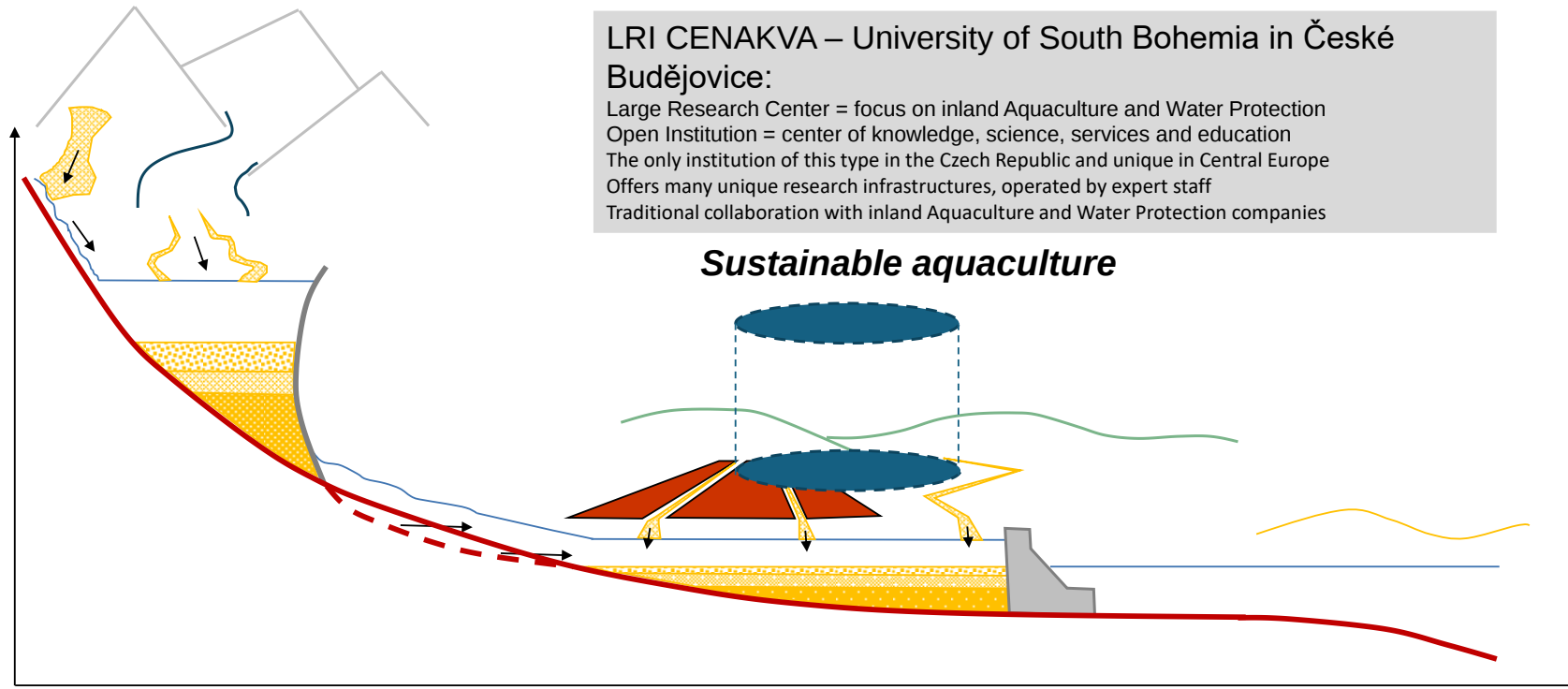
CENAKVA

South Bohemian Research Center
of Aquaculture and Biodiversity
of Hydrocenoses

LRI CENAKVA – University of South Bohemia in České Budějovice:

Large Research Center = focus on inland Aquaculture and Water Protection
Open Institution = center of knowledge, science, services and education
The only institution of this type in the Czech Republic and unique in Central Europe
Offers many unique research infrastructures, operated by expert staff
Traditional collaboration with inland Aquaculture and Water Protection companies

Sustainable aquaculture



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WATER QUALITY

FOOD

CENAKVA

Jihočeské
výzkumné centrum
akvakultury
a biodiverzity
hydrocenóz

CENAKVA research programs:

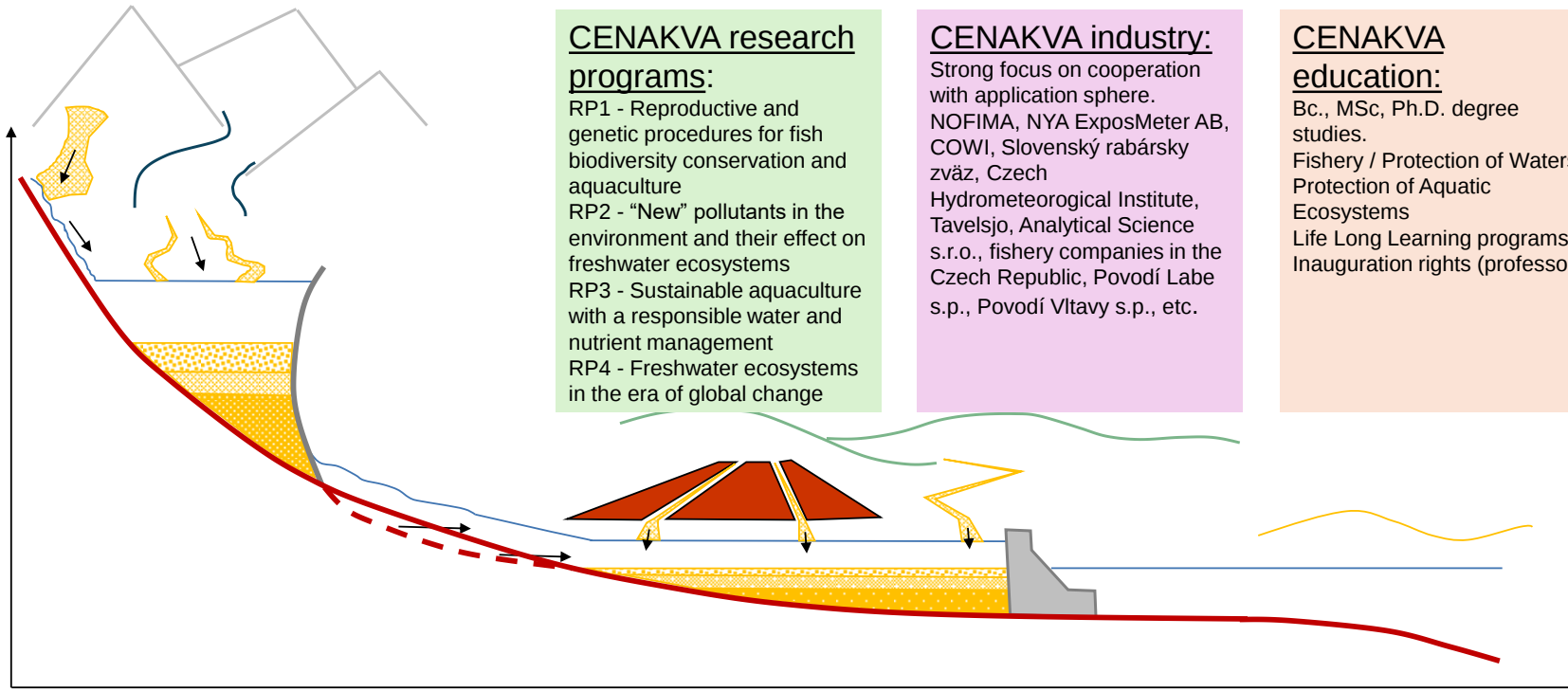
RP1 - Reproductive and genetic procedures for fish biodiversity conservation and aquaculture
RP2 - "New" pollutants in the environment and their effect on freshwater ecosystems
RP3 - Sustainable aquaculture with a responsible water and nutrient management
RP4 - Freshwater ecosystems in the era of global change

CENAKVA industry:

Strong focus on cooperation with application sphere.
NOFIMA, NYA ExposMeter AB, COWI, Slovenský rybársky zväz, Czech Hydrometeorological Institute, Tavejsjo, Analytical Science s.r.o., fishery companies in the Czech Republic, Povodí Labe s.p., Povodí Vltavy s.p., etc.

CENAKVA education:

Bc., MSc, Ph.D. degree studies.
Fishery / Protection of Waters / Protection of Aquatic Ecosystems
Life Long Learning programs
Inauguration rights (professors)



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New waves of innovation



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