

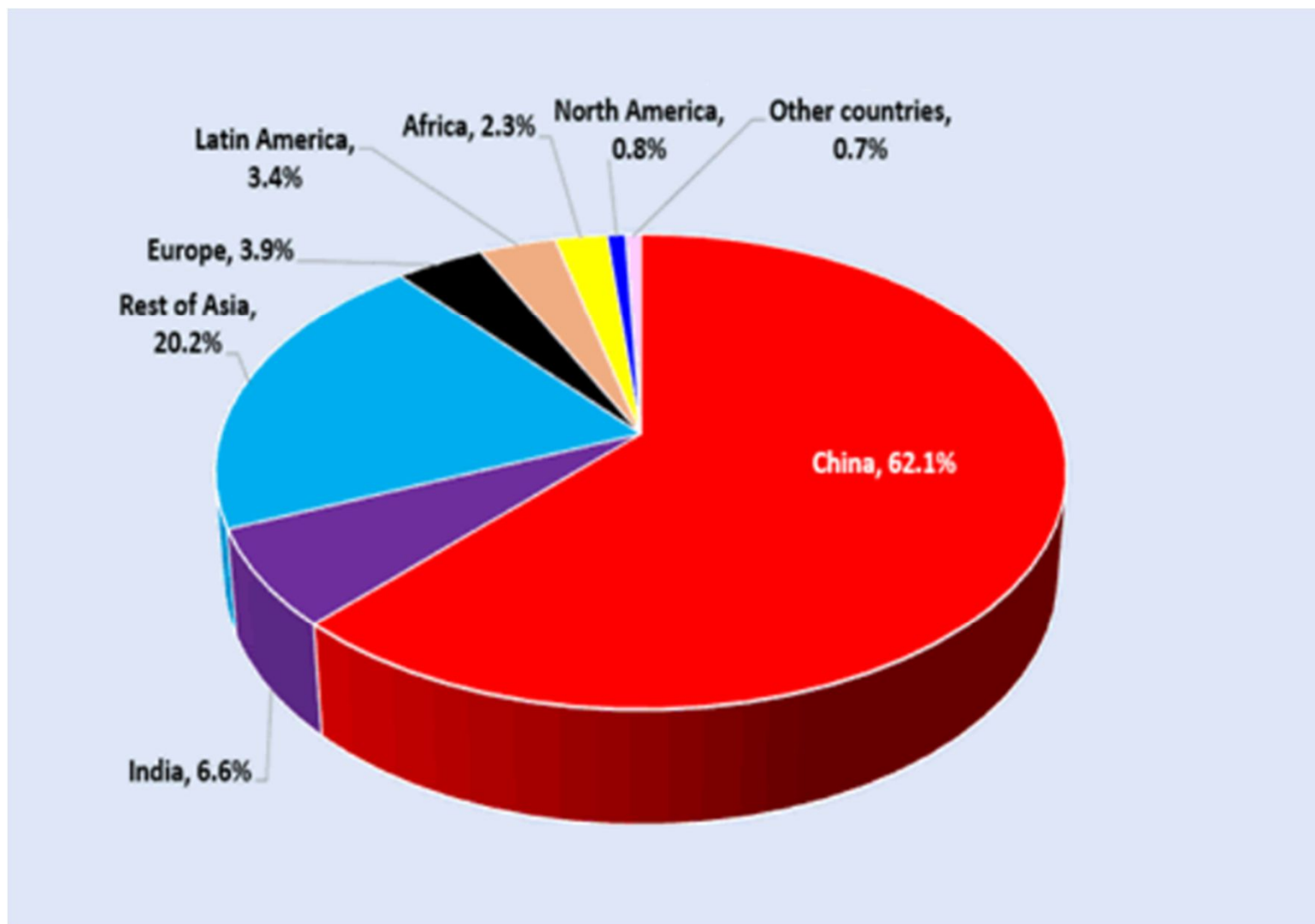
**NACEE Workshop on Possibilities of knowledge and technology transfer in aquaculture with special regard to
cooperation with the South-East Asian region
Szarvas, Hungary 18 May 2018**

Status and possibilities of European Asian cooperation in the field of aquaculture

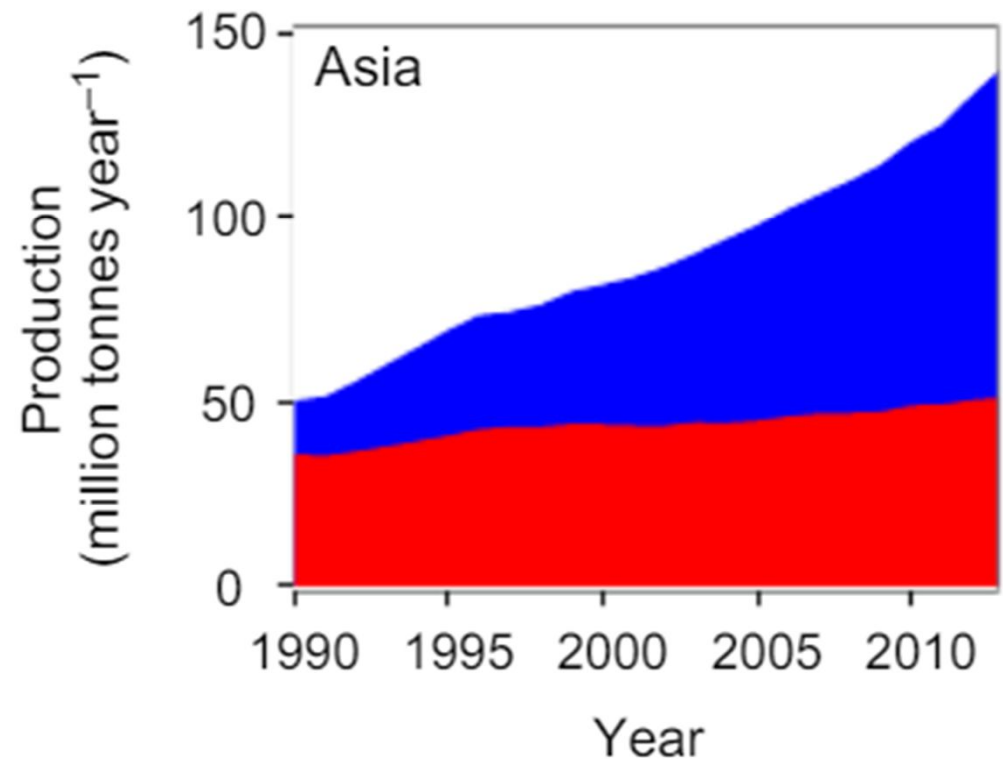
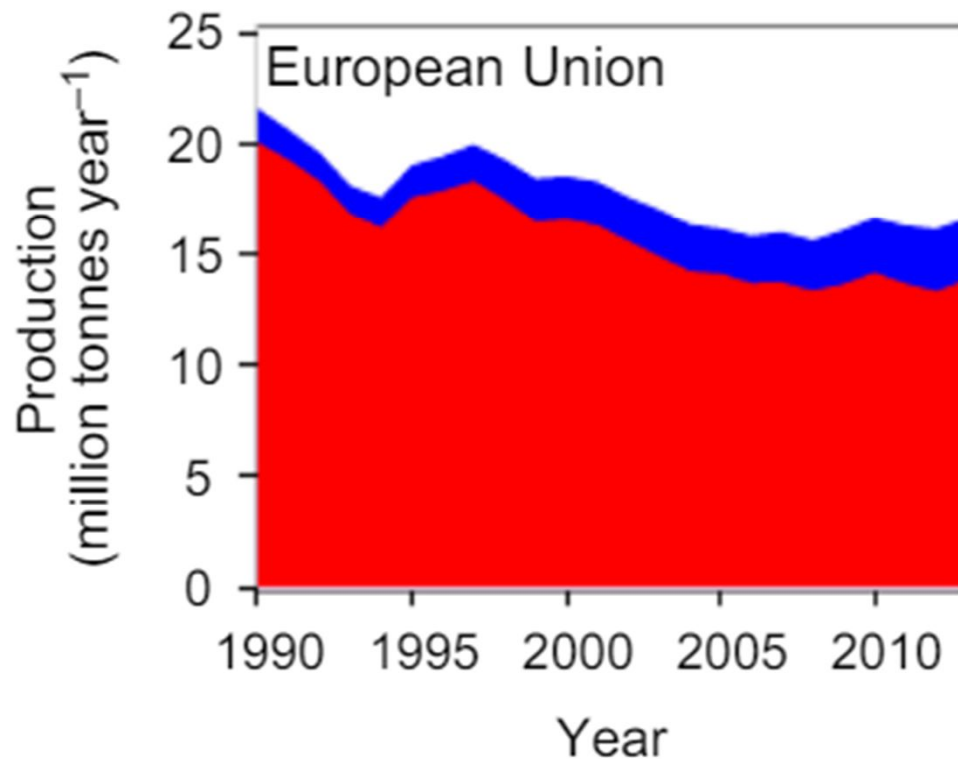
László Váradi
NACEE President



World aquaculture production by regions (in volume)



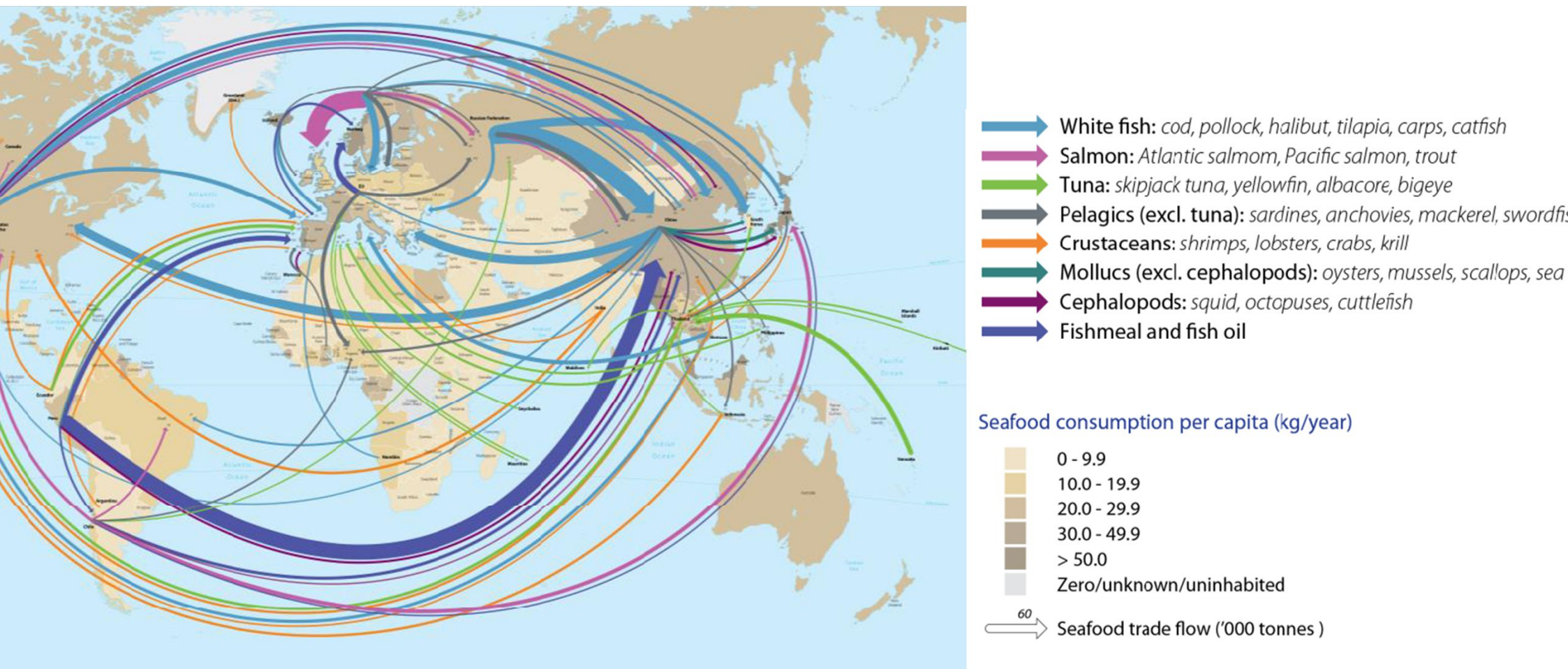
Trends in aquaculture and fisheries in the EU and Asia



■ Fisheries

■ Aquaculture

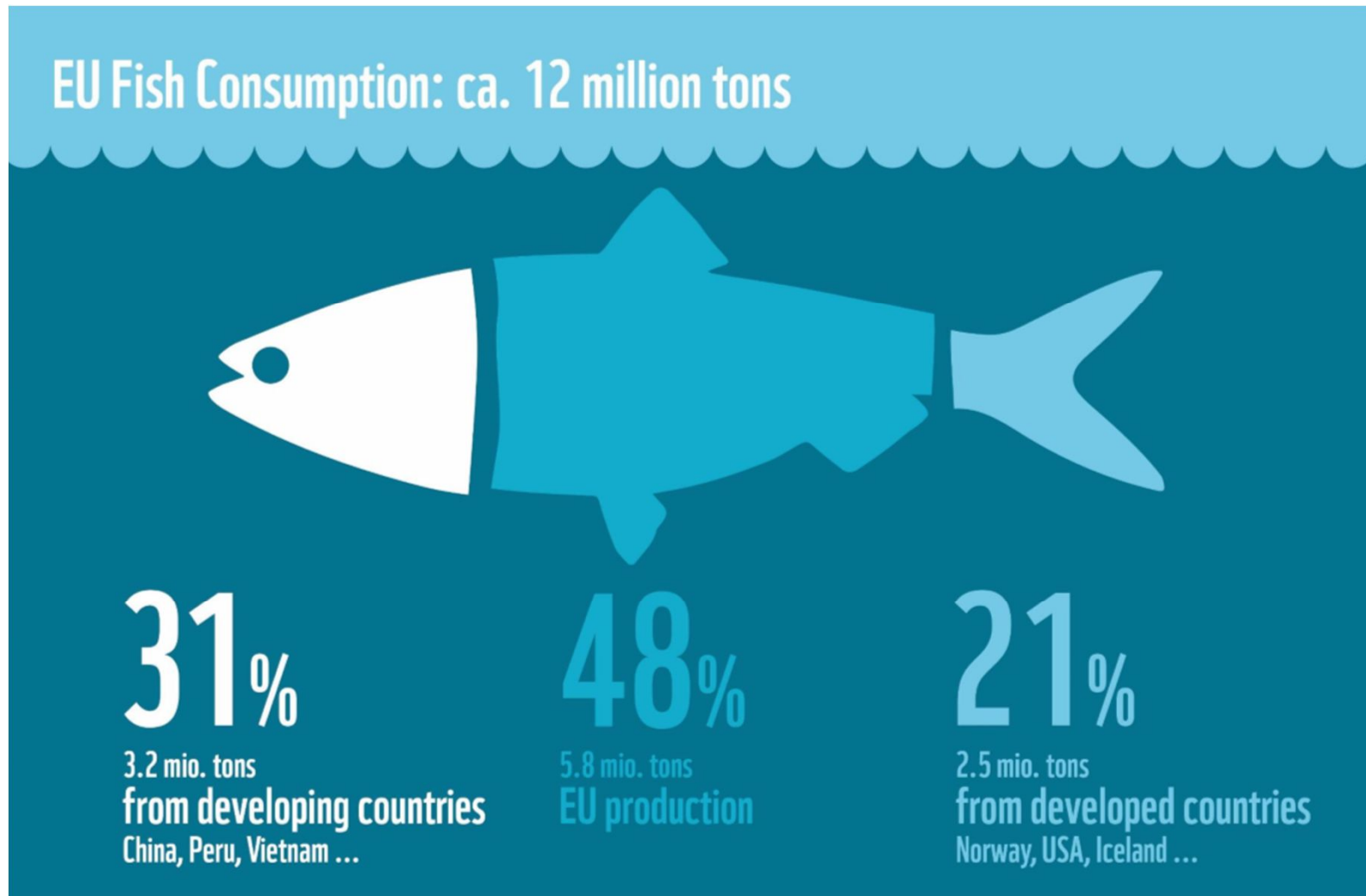
Global trade flow of seafood



Export and import of aquaculture products



Fish consumption in the European Union



Similar challenges in aquaculture development

- The protection of the natural environment
- Responsible use of freshwater resources
- Adaptation to climate change
- Respond to market demands
- Get acceptance by the society („social licence”)

Similar challenges in aquaculture development In Asia and in Central and Eastern Europe

TOP TEN AQUACULTURE SPECIES OF WORLD AQUACULTURE PRODUCTION

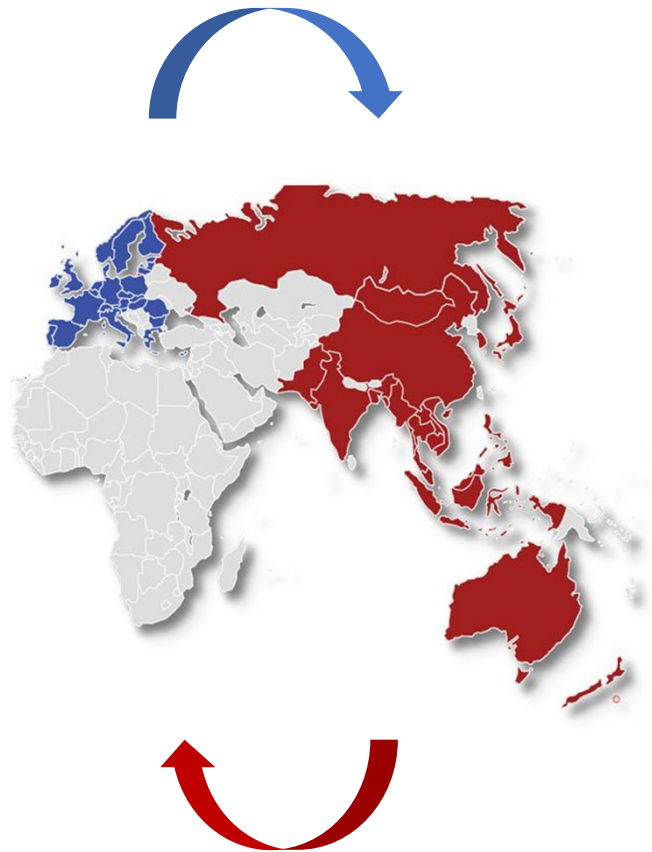
Finfish and shellfish only			
Species	Volume (t)	%	
Grass carp	5,537,794	8	←
Silver carp	4,967,739	7	←
Cupped oysters	4,378,011	6	
Common carp	4,159,117	6	←
Japanese carpet shell	4,010,703	5	
Nile tilapia	3,670,260	5	
White-leg shrimp	3,668,682	5	
Bighead carp	3,253,143	4	←
Catla	2,770,020	4	
<i>Carassius</i> carps	2,767,910	4	←
Other species	34,648,728	47	
	73,832,107	100	



IMPORTANCE OF FRESHWATER POND FISH CULTURE

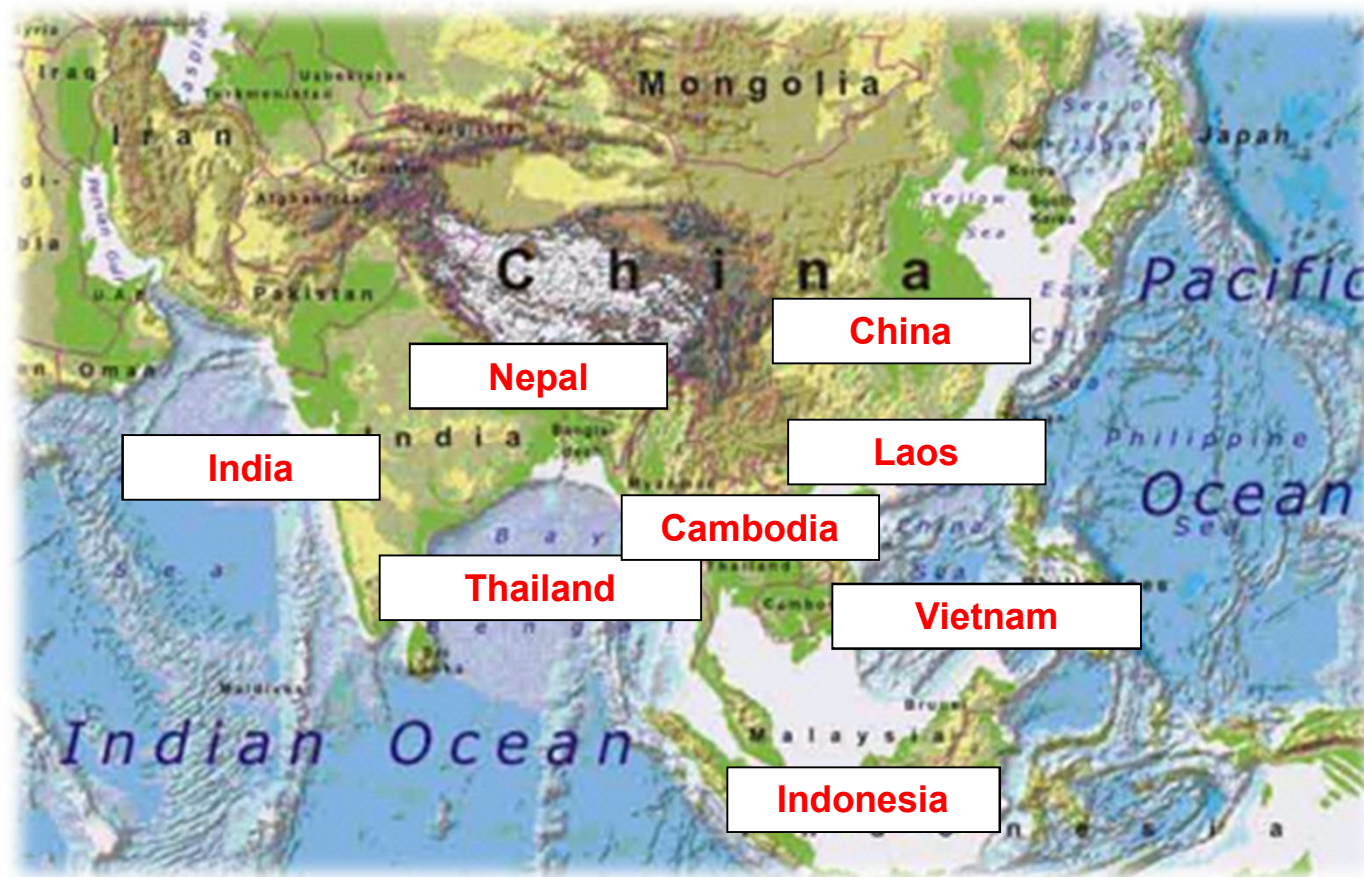
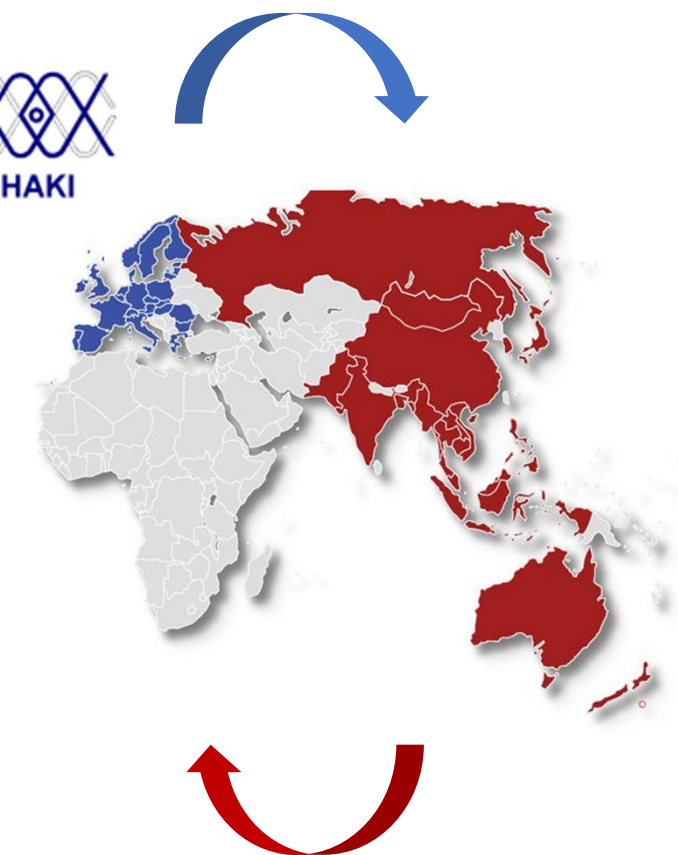
SUSTAINABLE INTENSIFICATION

Bilateral cooperation between Europe and Asia

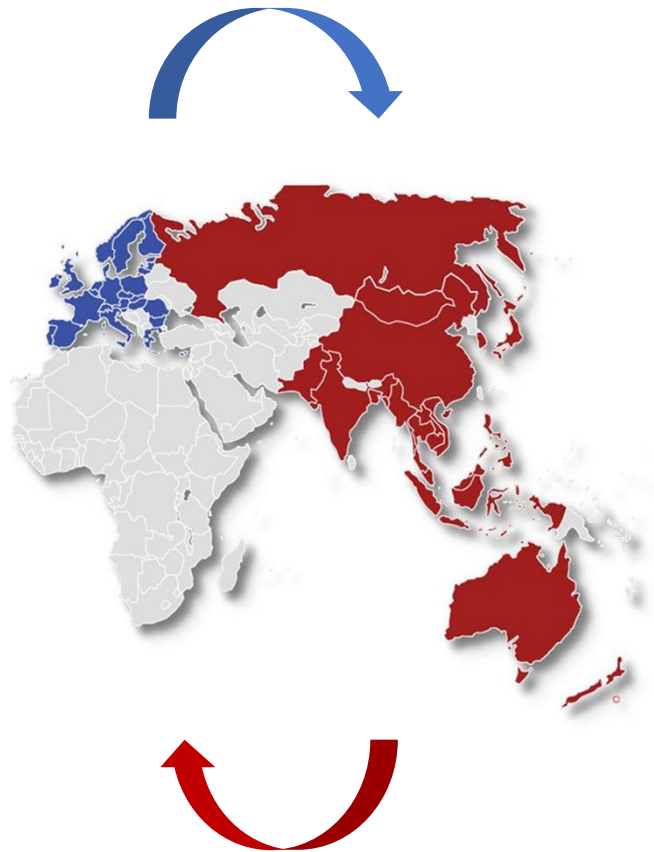


- **Between governments** (based on traditional cooperation) e.g. previous COMECON countries
- **Between institutions** (mainly scholarship-based) e.g. Ghent-, Wageningen- and Stirling Universities & HAKI in CEE
- **Business and trade cooperation**

HAKI cooperations in Asia

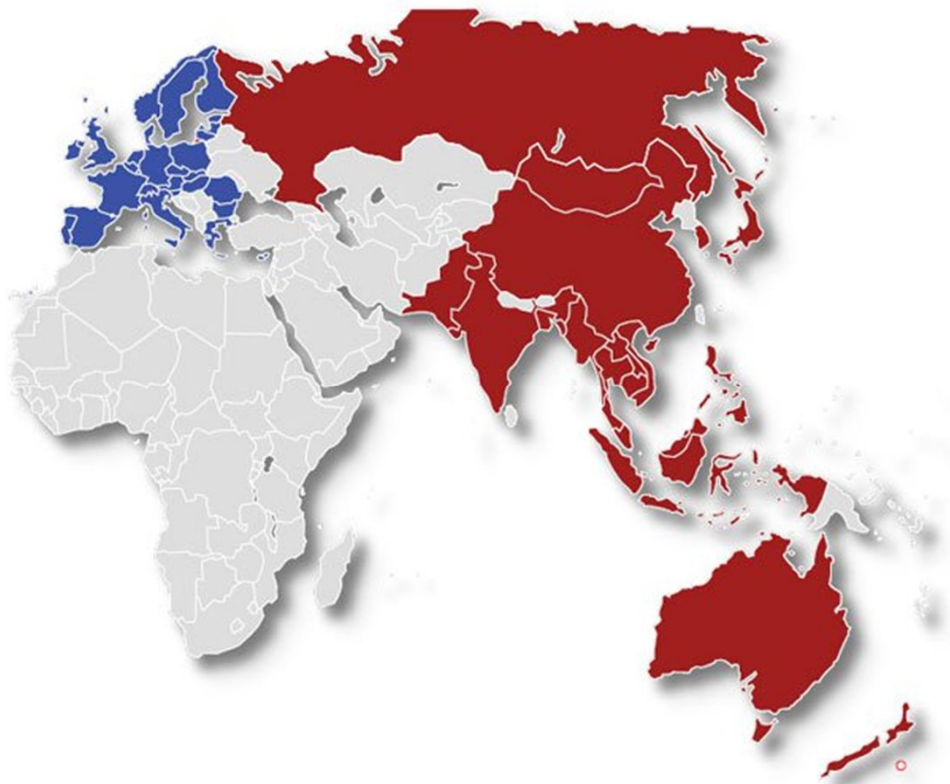


EU supported cooperation with Asia in aquaculture



- EU is a major development partner of ASEAN
- EU DEVCO projects in Myanmar, Cambodia
- ASEM Aquaculture Platform
- „Aquasem-09” project
- „Eurastip” project

ASEM aquaculture platform, Aquasem-09 Project



ASEM Aquaculture Platform is an open and permanent space for dialogue between EU and ASEM parties that are involved in the development of sustainable aquaculture.

2004-2006

- Organising workshops
- Identifying issues that can be addressed in FP7 projects
- Networking among stakeholders

Aquasem -09 Project develops activities according to themes that were identified as crucial issues for EU-Asia cooperation on aquaculture.

2009-2013

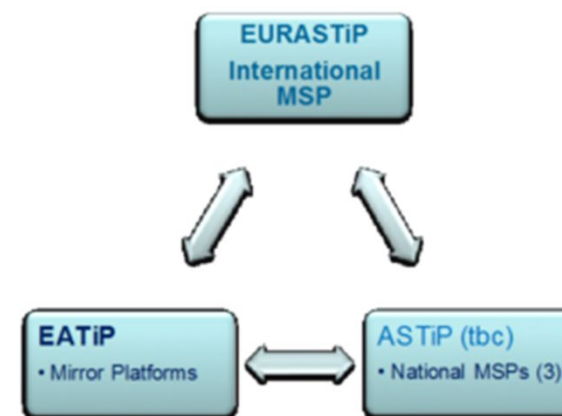


Eurastip H2020 Project

SIX PILLARS:

1. To create & support National Pilot Multi-Stakeholder Platforms in **Thailand, Vietnam & Bangladesh**
2. Innovative education, training and capacity building
3. Aligning standards and certifications
4. Increase EU-S Asia collaboration (Exchange programs: education; research; industry)
5. Dissemination, legacy, impact management
6. Project coordination and administration

PROJECT OUTCOME:





Eurastip H2020 Project

EASTABLISHMENT OF A REGIONAL CARP BREEDING CENTER IN NORTH VIETNAM

INDUSTRY EXCHANGE: MAVIN Co. Vietnam - Vitafort Agro Asia Co. Hungary



RESEARCH EXCHANGE: RIA1 Vietnam - HAKI Hungary





Opportunities for NACEE in Eurastip Project

- **Application for exchange program (Education; Research; Industry)**
- **Join the initiative on the establishment of a Regional Carp Breeding Center in North Vietnam**

Thank you for your attention!

Спасибо за ваше внимание!

