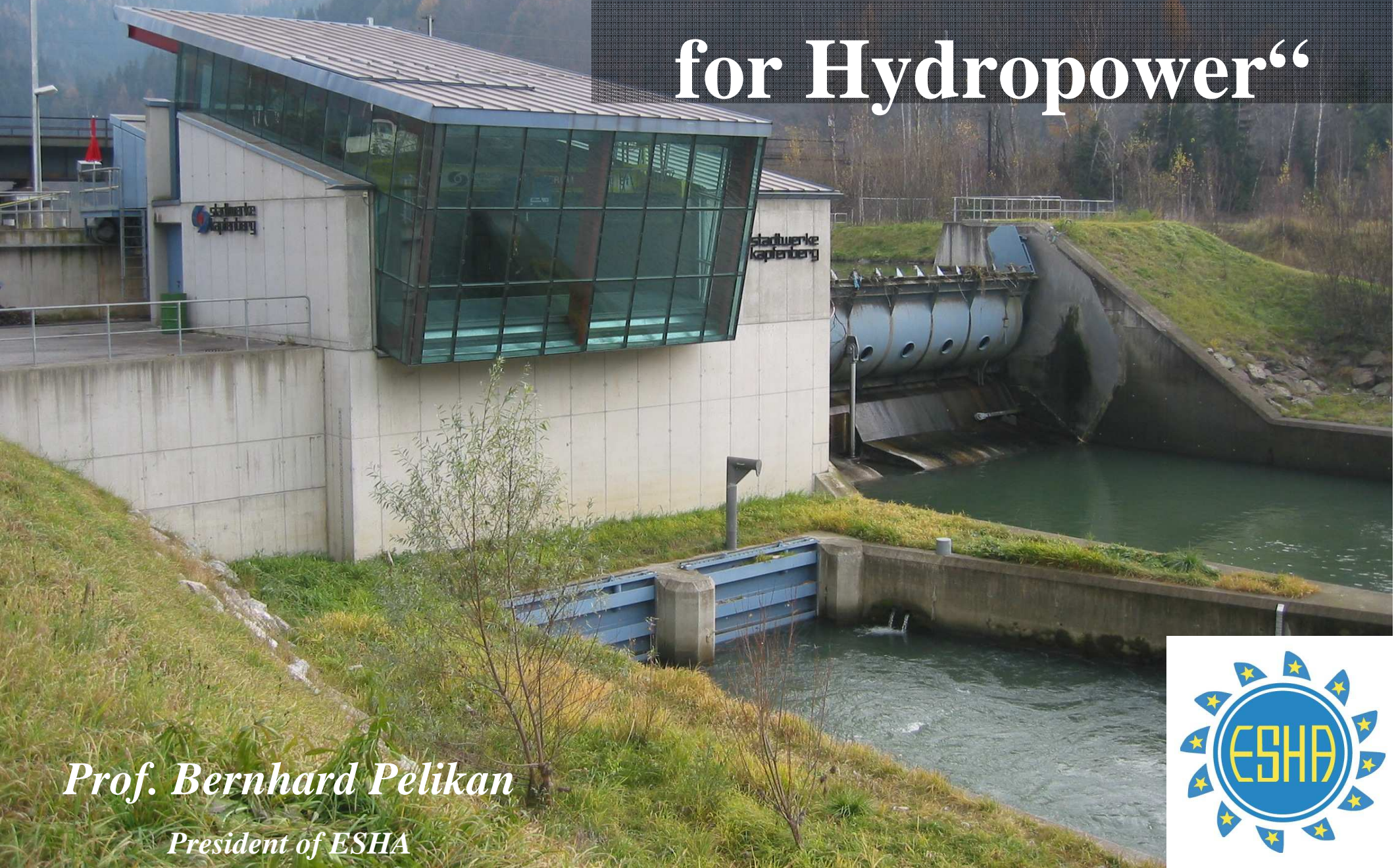


**ENERGAIA – Salon International des Energies Renouvelables**  
**Montpellier, 6. – 8. December 2007**

# Sustainable Guides for Hydropower“



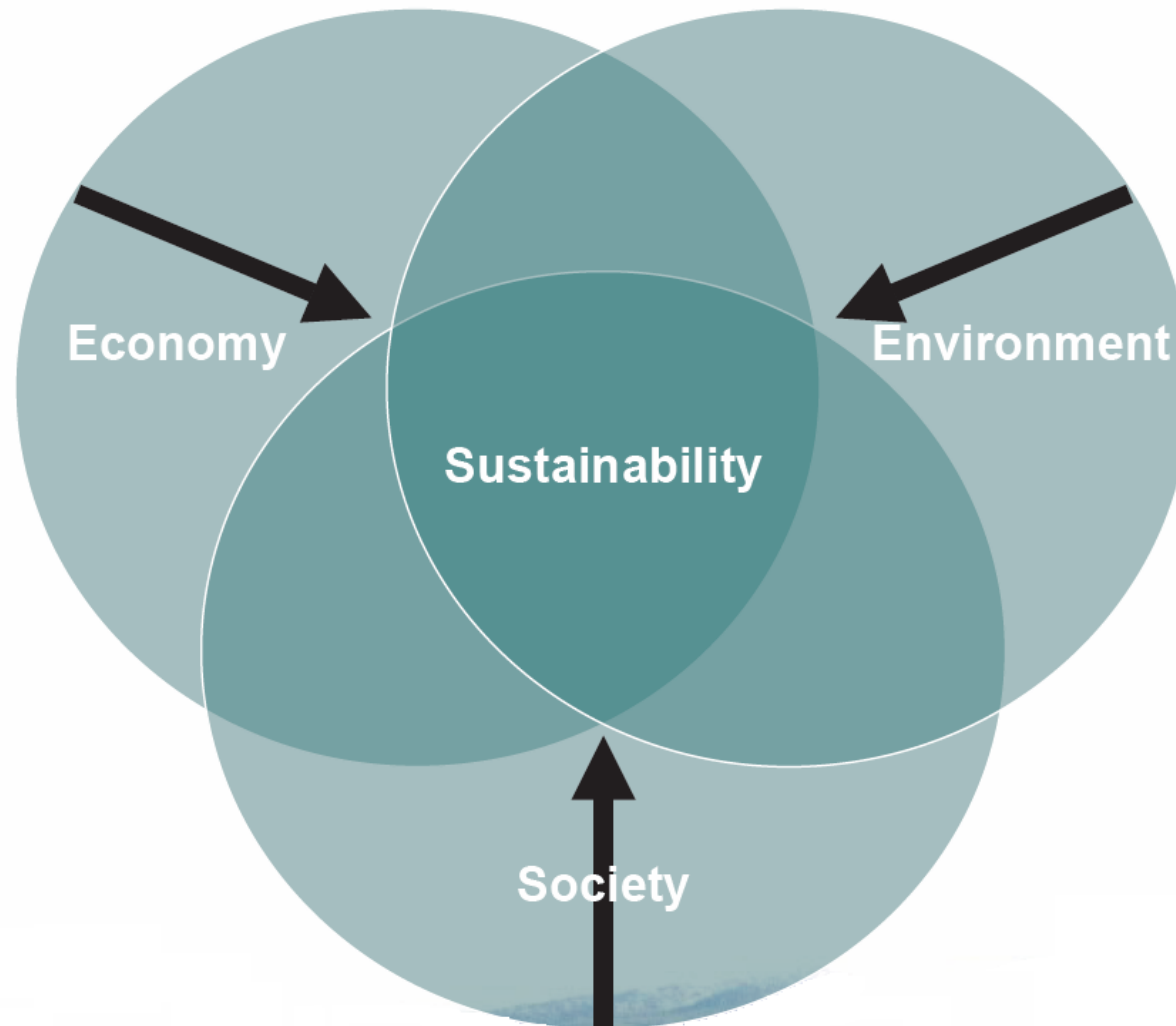
*Prof. Bernhard Pelikan*

*President of ESHA*



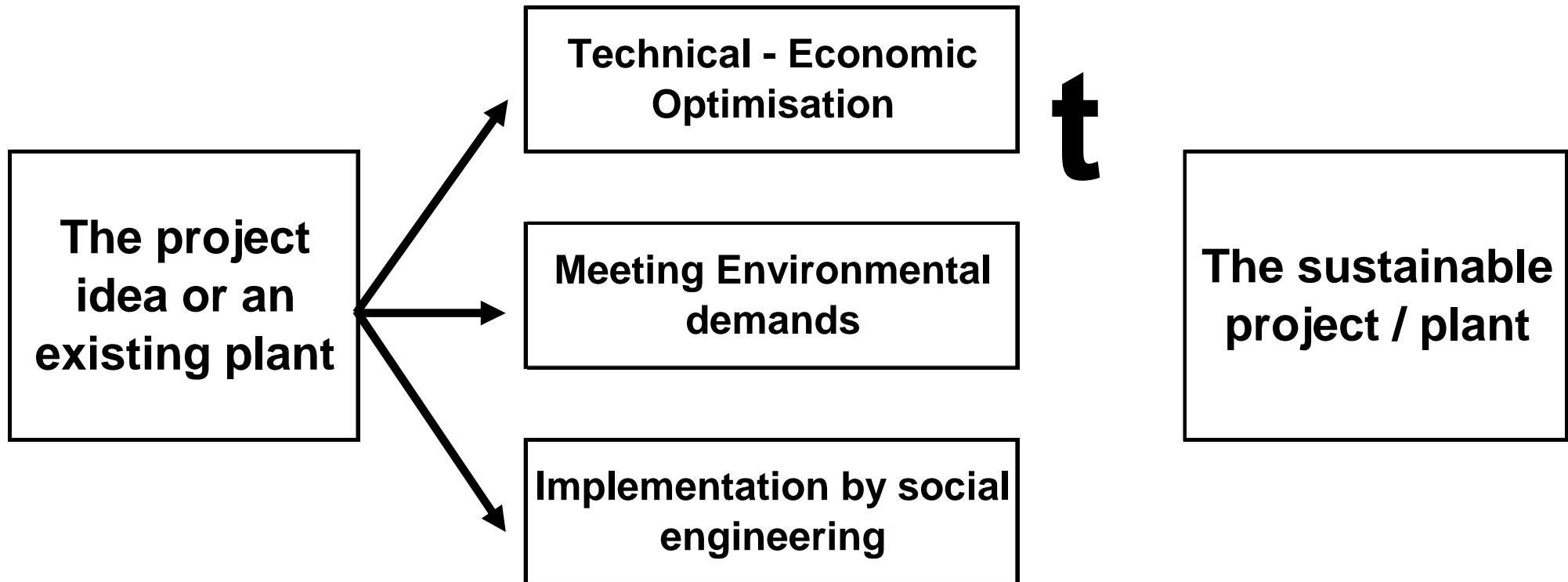


# Sustainability in general



Sustainability is not a static condition but a process,  
reacting on variables  $\longrightarrow$  sustainable development

# Sustainability project specific





# The evaluation process (1)

## Definition of criteria

additional benefits

economical viability

safety

project management

environmental demands

.....



# The evaluation process (2)

## Definition of indicators

employees (local, regional)

electricity production

internal rate of return

river quality (biological, chemical, morphology)

design and research work (environment, hydrology)

.....



# The result and the effects

- Electronic tool, applicable by the operator
- Continuous improvement of sustainability factor
- Find out weaknesses of the plant
- Increase the overall quality of the plant
- Instrument to compare different plants
- Support in getting higher public acceptance
- Supporting the governmental granting procedure
- In some countries it may help to get a higher feed in tariff