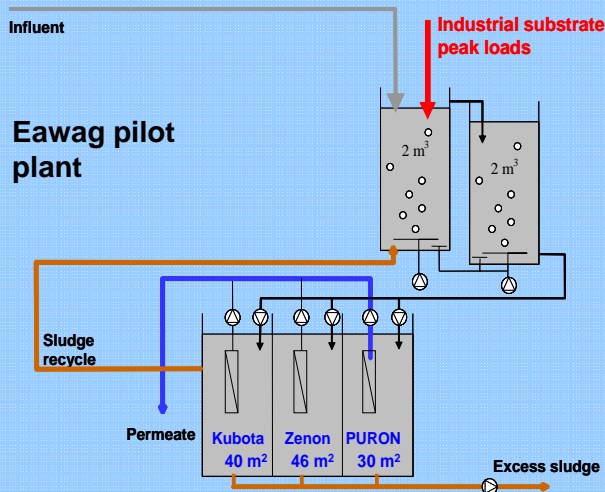


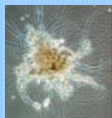
EUROMBRA is a research project supported by the **EUROPIAN UNION** (Priority "Global Change and Ecosystems").

In the consortium 18 institutions in the domain of research, industry and waste water disposal co-operate. Central task and objective of this research project are to optimise and to advance the membrane bio-reactor technology (MBR).



Eawag is focusing on the following goals:

- comparative performance of various state of the art full scale membrane modules for municipal wastewater treatment, operated in parallel but sharing the same sludge (biology)
- impact of peak loads on membrane performance and effluent quality



➤ impact of reactor geometry onto permeability

- correlation of long term permeability behaviour with contact time between wastewater and sludge, prior to entering the membrane
- analysing the fouling processes and correlating the fouling and clogging tendency with sludge and matrix properties
- understanding the long term permeability behaviour with the help of analysing particle size and chemical analysis of particulate matter
- recommendations for reactor configuration, design and process control

