

# PRINCIPLES OF WATER-SMART CIRCULAR ECONOMY

MANUFACTURING, SERVICES, HOUSEHOLDS

PRIMARY PRODUCTION

## Water and aquatic ecosystems in the circular economy

Technical water

Water-efficient technologies & closed-loop systems

Reduction of losses and leakages

Water abstraction rate does not exceed renewal rate

Recovery of valuable constituents from process water & industrial symbioses

Site-specific, decentralized removal of hazardous substances

Recovery of nutrient and energy at wastewater treatment plants

Reuse of treated wastewater or its introduction into the environment

Water-smart patterns of consumption and procurement

Keep aquifers intact

Recycling of water, management of water balance, recovery of substances

Recycling of water and nutrients & water-efficient irrigation systems

Irrigation water

Surface water

Artificial recharge

Groundwater

Mining Company

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