

COLLABORATIVE LAND-SEA INTEGRATION PLATFORM

Multi-Actor Lab 3 – Norrström Basin, Baltic Coast, Sweden

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COASTAL-RURAL SCOPE & CHALLENGES



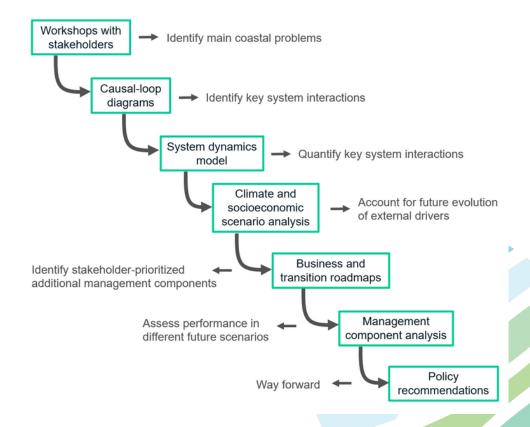


Challenges:

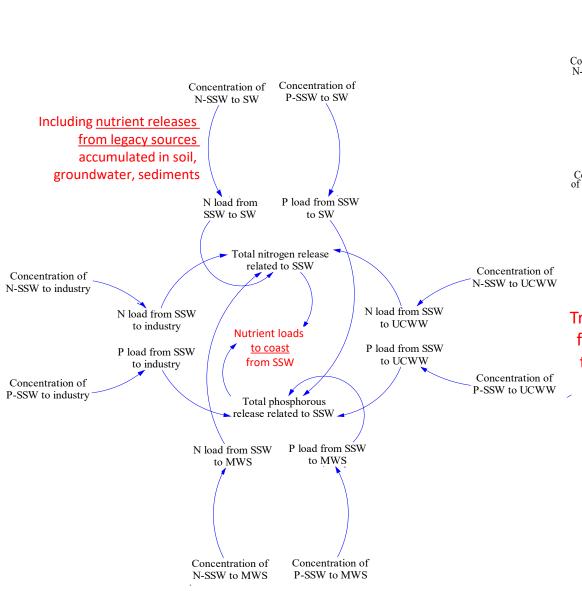
- Water Quantity
- Water Quality
- Co-creation Process

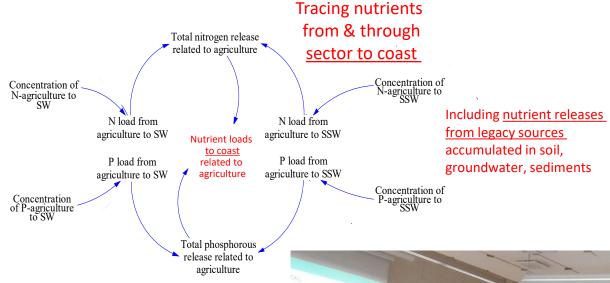






LAND-SEA INTERACTIONS (QUALITATIVE ANALYSIS)



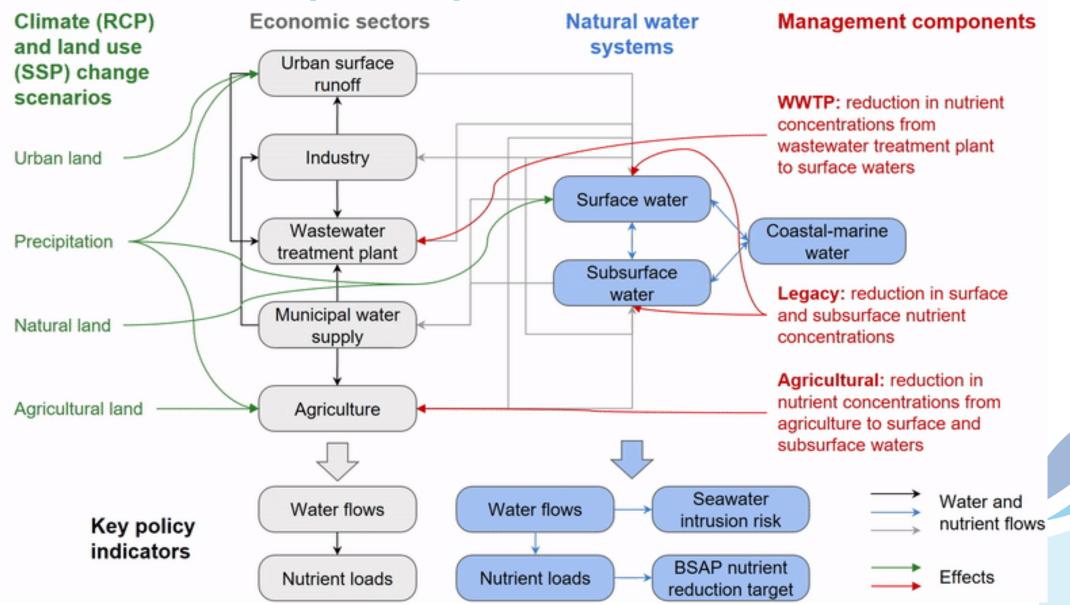


Tracing nutrients from & through the subsurface water system to coast





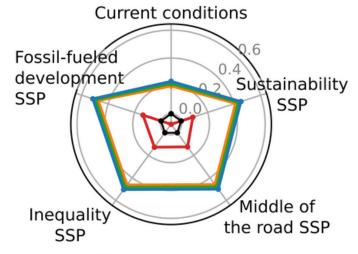
System Dynamics Model



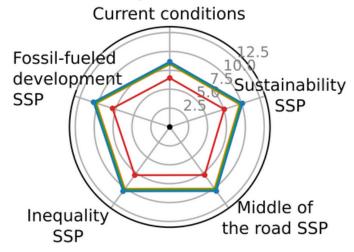


ROAD MAPS / POLICY RECOMMENDATIONS

Nitrogen



Phosphorus



Current management Legacy measures
 Agricultural measures Target is met
 WWTP measures

Baltic Sea Action Plan (BSAP) load reduction targets are not met under current management conditions.

Even considerable decrease of currently active aqricultural and WWTP nutrient sources is insufficient for meeting BSAP nitrogen and phosphorous load reduction targets.

Only reduction of nutrient releases from <u>legacy</u> sources can considerably decrease current nutrient loads to the coast.

Even the legacy source reductions are insufficient for meeting BSAP targets under future scenarios, due to the increase of the water flows that carry the nutrient loads.







Flipbook by Anna Scaini, Guillaume Vigouroux and Georgia Destouni, in collaboration with the



MAL3 COASTAL PARTNERS

SWEDISH MAL COORDINATION:



LOCAL PARTNERS:









