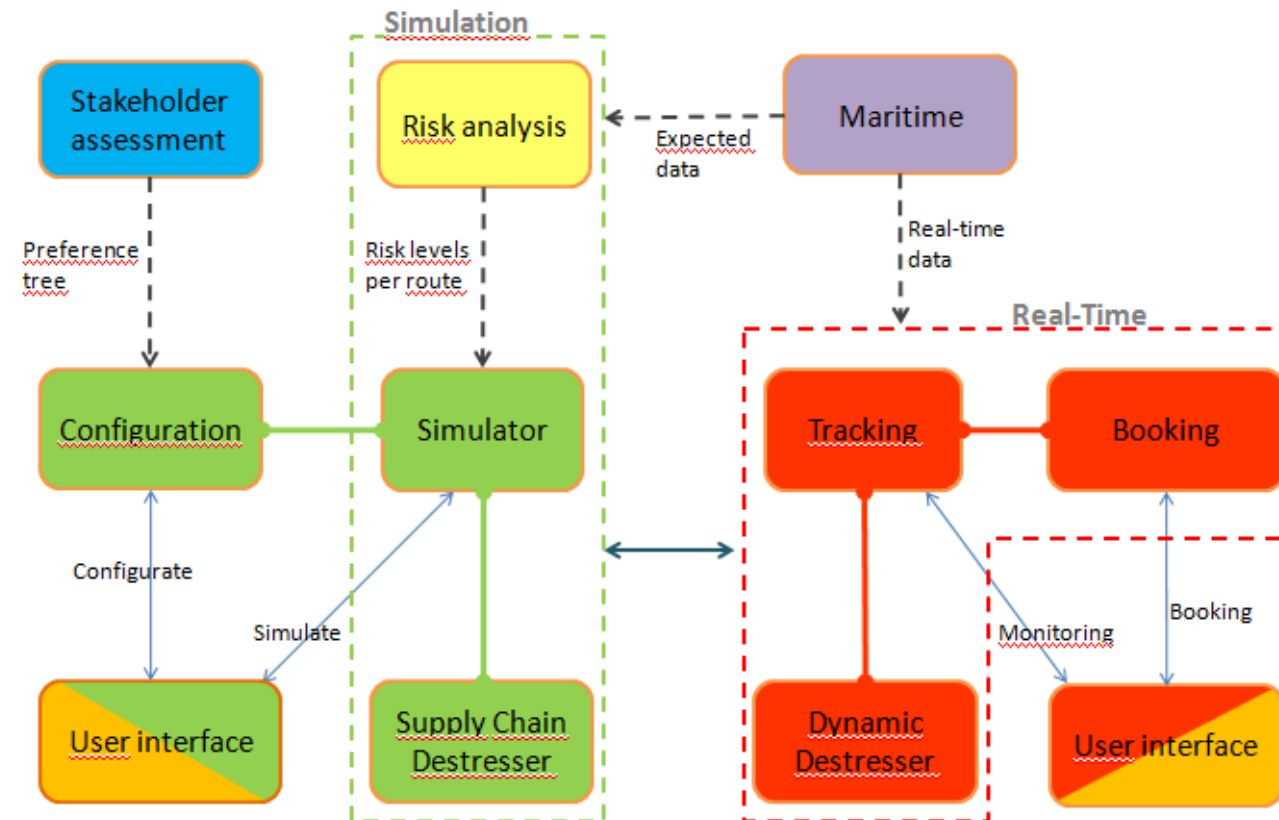# Overall Synchro-NET structure

Synchro-modal supply chain eco-NET (inter-modality, slow steaming, synchro-modality):

- guarantees cost effective robust solutions that **de-stress the supply chain**;
- reduces **emissions** and **costs** for logistics operations;
- increases **reliability** and **service levels** for logistics users.

Planning/Simulation toolset

Objectives and functionalities

FUNCTIONALITY	DESCRIPTION	INTERESTED USERS
SIMULATION	Calculates a trip from origin to destination nodes, given departure and arrival times, allowing users to set different options (intermediate nodes, different destinations, banned nodes and/or links, different weights for the KPIs)	Logistics operators: provide customers with better transport solutions; provide better conditions for workers Transport providers: enter in a wider transport network; synchronize operations Infrastructure managers: increase the control on freight flows and infrastructure usage; provide better conditions for workers Public authorities: increase the control on freight flows and infrastructure usage Research institutions: use the toolset in other projects
CONFIGURATION	Allows the final user to set the preferences about the searching options	Logistics operators/Transport providers: provide customers with a customized set of solutions Research institutions: use the toolset in other projects
DE-STRESSING	Calculates several alternative routes for the same couple origin-destination, including possible different itineraries, schedules, transport modes Allows the final user to compare by several KPIs the alternatives and to sort them	Logistics operators/Transport providers: allow customer to choose the preferred solution through the evaluation of different KPIs and risk factors Research institutions: use the toolset in other projects