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COREALIS EU Project

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VISION

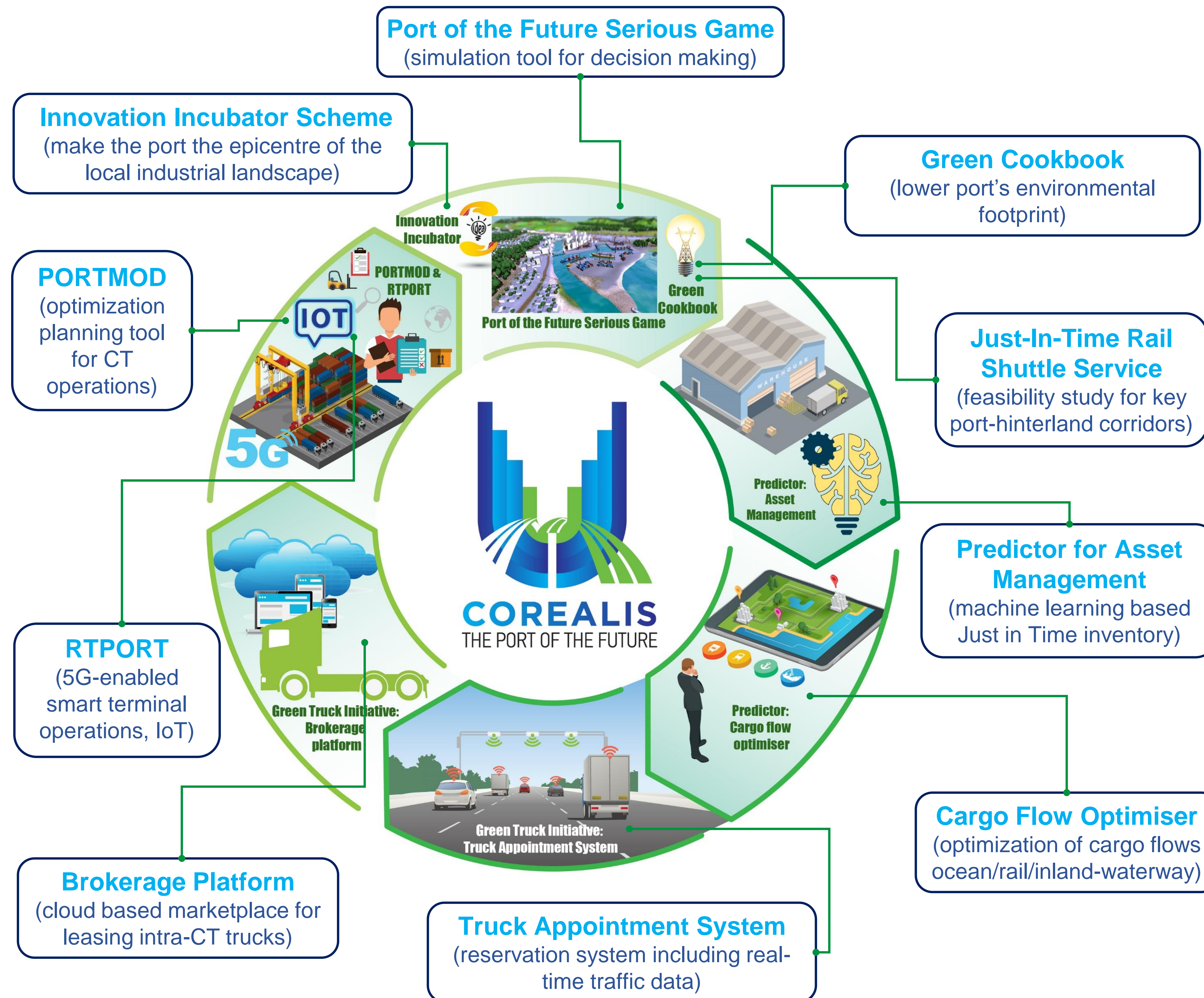
COREALIS is developing an **innovative framework** for assisting cargo ports in handling their upcoming and future capacity, traffic, efficiency and environmental challenges. It is benefitting from **disruptive technologies**, including Internet of Things (IoT), data analytics, next generation traffic management and emerging 5G networks.

COREALIS is implementing **beyond state of the art, financially viable innovations** for future ports. These will optimise the port land use, requiring **minimum infrastructure upgrades**, while at the same time respect circular economy principles and improve the urban life quality.

OBJECTIVES

- Embrace **circular economy** models in the port strategy and operations.
- Reduce the **ports'** total **environmental footprint**.
- Encourage ports to become an **innovation hub** of the local **industrial & urban** space.
- Optimise **yard capacity** and improve safety without major infrastructural investments.
- Streamline **cargo flows** in favour of green transport modes.
- Improve **port-city stakeholder collaboration** for medium/long-term decision making.

COREALIS INNOVATIONS



IMPACT

- ENVIRONMENTAL**
Significant **reduction of CO₂** port emissions and perceived noise
- OPERATIONAL**
Improvement of terminal **operations' efficiency, reduction in congestion**, waiting and idle times, establishment of **efficient connections** with hinterland transport network (railway & inland waterways).
- SOCIETAL**
Increased **port-city stakeholder collaboration** & improved quality of life for port-city residents.

LIVING LABS



PROJECT PARTNERS



PROJECT FACTS

Title: COREALIS- Capacity with a pOsitive enviRonmEntal and societAL footprint: portS in the future era
Coordinator: Institute of Communication and Computer Systems (ICCS)
Contact: a.amditis@iccs.gr

Start Date: 01-May-2018
EC funding: 5,150,540.00 €
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Duration: 36 months

