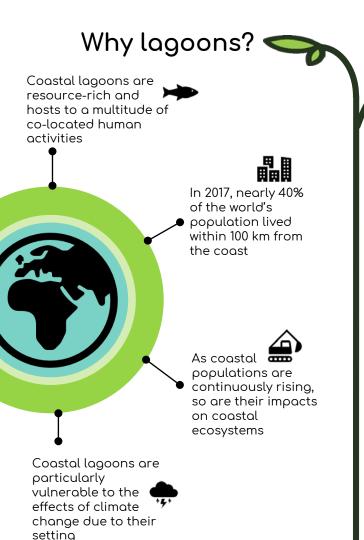


Lagoons for LIFE is supported by









- Lack of centralised inventory on data and research activities on coastal lagoons
- Lack of global coordination in coastal lagoon management
- Knowledge and data gaps
- Potential of EO in (contributing to) the design of holistic coastal lagoon management strategies
- Coastal lagoons are concentrations of coastal change and coastal peoples, and so are important places for SDG implementation



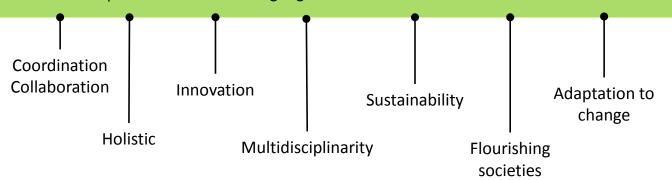




"A world where healthy coastal lagoon ecosystems are recognised as both a core value for societies and a requirement for achieving a global green economy, blue growth and societal well-being"



"Coordinate action towards the co-design and co-development of holistic, innovative, multidisciplinary approaches to coastal lagoon management in order to support sustainable development of flourishing societies that become better adapted to a fast-changing world"



Key questions to answer

What features render lagoons vulnerable to physical, ecological and human disturbance from global change?

- Link social and physical sciences
- Conduct multidisciplinary research
- Knowledge Transfer and Exchange
- Improve modelling
- o Improve data collection (e.g. optimal sampling, standardise protocols, etc.)
- Explore new methods and tools (e.g. EO)
- Understand tipping points

Can EO help derive new (or improve existing) indicators used to evaluate & monitor lagoon systems?

- Making EO data more accessible to non-EO scientists
- Use questionnaires with EO and non-EO scientists
- Coordinate relevant research activities
- Source validation data

Can EO support international conventions & agreements towards improving sustainable development in lagoons?



Propose a current and future regime prediction scheme suitable for the sustainable use and management of lagoon resources

- Coordination and international collaborations
- Inclusive, participatory research



Objectives towards realising our vision



Identify, and coordinate collaboration between, experts and practitioners across all relevant disciplines



Create a comprehensive, global inventory of multidisciplinary datasets and information, and relevant research activities and networks, on coastal lagoons



Identify, and contribute towards addressing, knowledge and data **gaps** in coastal lagoon management practices



Identify new technologies for observation, data management, processing and analysis, and data sharing, and evaluate their potential for advancing coastal lagoon management approaches; this includes Earth Observation systems and techniques, open source software, cloud storage and processing platforms



Develop and deliver capacity, and facilitate knowledge transfer and exchange (KTE) aiming to inform citizens, enable policy-makers, and better-equip researchers and practitioners



Support **research** activities with direct or indirect relevance to the L4L vision and mission



Foster linkages between stakeholders, policy-makers and local communities to explore common issues and shared solutions



Contribute towards the development of **best practices** in coastal lagoon management in alignment with the main L4L vision and mission

Benefits from realising our objectives and mission:



Processes we aim our knowledge-base to contribute to:

For the Lagoons Forum



- Become part of a wide, international, multidisciplinary network
- Advancement of science through collaborations across disciplines
- Knowledge Transfer and Exchange (KTE)
- Benefit from using a centralised global coastal lagoon inventory to:
 - Know who your peers are
 - Find new research partners
 - Use existing datasets
 - Share your datasets
 - Participate in research funding proposals
 - Easily identify data and knowledge gaps for future research agenda development

For local communities, economies, and the environment

- Informed and empowered societies
- Information and data for decisionmaking processes
- Conservation of healthy ecosystem services
- Access to clean water and a clean environment
- Sustainable growth with a long-term vision
- Support towards realising a green economy, blue economy and blue growth
- Conservation, protection and sustainable resource use
- Protection of natural biodiversity and unique ecosystems

Membership of the **Lagoons for Life** network is open to anyone with an interest in contributing to the sustainability of the world's coastal lagoon systems. To join the **Lagoons for Life** network, please <u>contact us</u>.







