

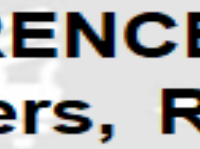
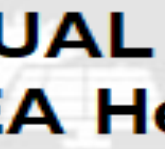
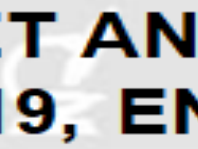
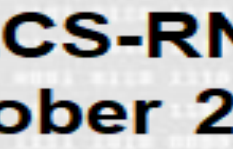
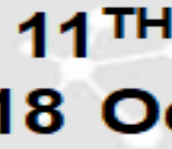


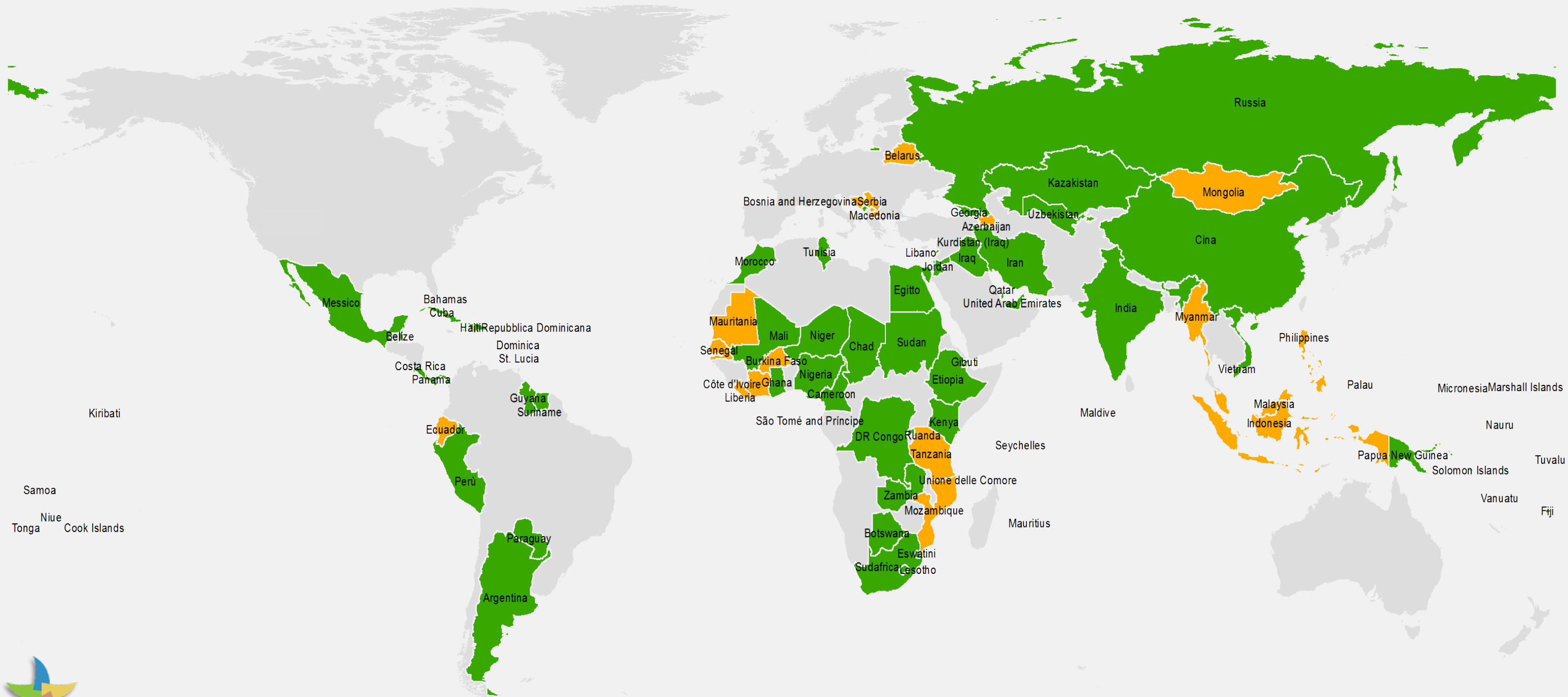
Italian National Agency for New Technologies,
Energy and Sustainable Economic Development

Technology transfer activities in the context of ENEA - IMELS Agreement

Maria Velardi - ENEA

11TH LCS-RNET ANNUAL CONFERENCE
17-18 October 2019, ENEA Headquarters, Rome







Since 2016
ENEA has been involved
in 27 cooperation projects
on climate change

ENEA's ROLE AND ACTIVITIES



EX-ANTE ANALYSIS

Identification of climate change adaptation and mitigation interventions in collaboration with developing countries local authorities



TECHNICAL VISITS

Meetings with stakeholders involved, inspections on project sites, identification of critical issues and local priorities



WORK PLAN

Preparation of project proposal; feasibility studies; technical specifications



PROJECTS MANAGEMENT

Capacity building activities, technology transfer, technical assistance, exchange of experts, Public Private Partnerships

A STRATEGY BASED ON THREE PILLARS



COUNTRY
OWNERSHIP



LEVERAGE
OF PRIVATE FUNDS



ENHANCE QUALITY
OF THE PROJECTS

SUB SAHARAN AFRICA





WATER & NATURAL RESOURCES

- Implementation of solar water pumping systems
- Implementation of water harvesting and irrigation systems in rural areas
- Projects to improve local communities climate resilience through an integrated approach on water, agriculture and natural resources management

EARLY WARNING SYSTEMS

- Strengthening of early warning system and climate services through the realization of radars and meteorological stations
- Capacity building on data assimilation techniques, validation of weather forecasting systems and climate modelling

ENERGY

- Renewable energy potential assessment at national level
- Capacity building on climate change vulnerability with a focus on Renewable Energy
- Access to energy in rural areas through solar and/or hydro off-grid systems

GREEN BUILDINGS

- Implementation of energy efficiency and
- promotion of renewable energy in existing public buildings
- Design and construction of a bioclimatic prototype "Nearly zero emission building"



MIDDLE EAST AND NORTH AFRICA

ENERGY

- Financial incentives for promoting energy efficiency in private buildings
- National laboratories for testing energy efficiency of heat pumps and lighting systems
- Green buildings

CLIMATE SMART AGRICULTURE

- Solar systems for irrigation and drinking water production in remote rural areas

GREEN ECONOMY

- Credit facilities addressed to local and international companies investing in renewables and energy efficiency
- Green business incubators and exchange knowledge platforms
- Training to young professionals

SUSTAINABLE CITIES

- Sustainable urban mobility planning
- Waste collection, treatment and recovery centers



SMALL
ISLANDS
DEVELOPING
STATES



ENERGY

- Energy efficiency and promotion of renewable energy in existing public buildings
- Access to energy in rural areas through off-grid systems
- Capacity-building and raising awareness on renewable energy

ADDRESSING CLIMATE CHANGE EXTREME EVENTS IMPACTS

- Strengthening early warning capacity
- Strengthening disaster risk governance and national capacities
- Marine forecasting systems

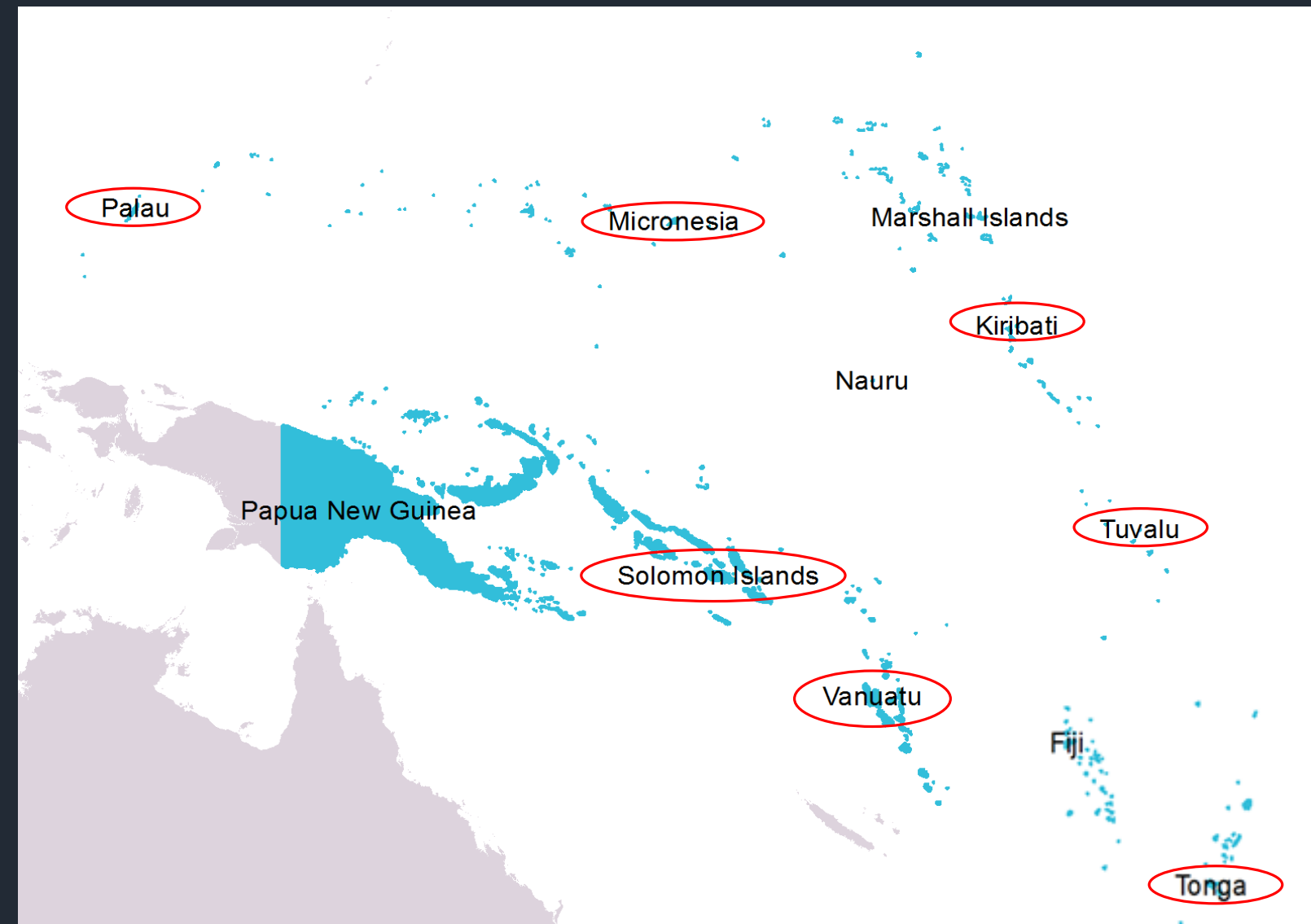
OCEANS

- Creating and mapping of Marine Protected Areas
- Promoting Sustainable fishing
- Raising awareness on sustainable management of marine resources

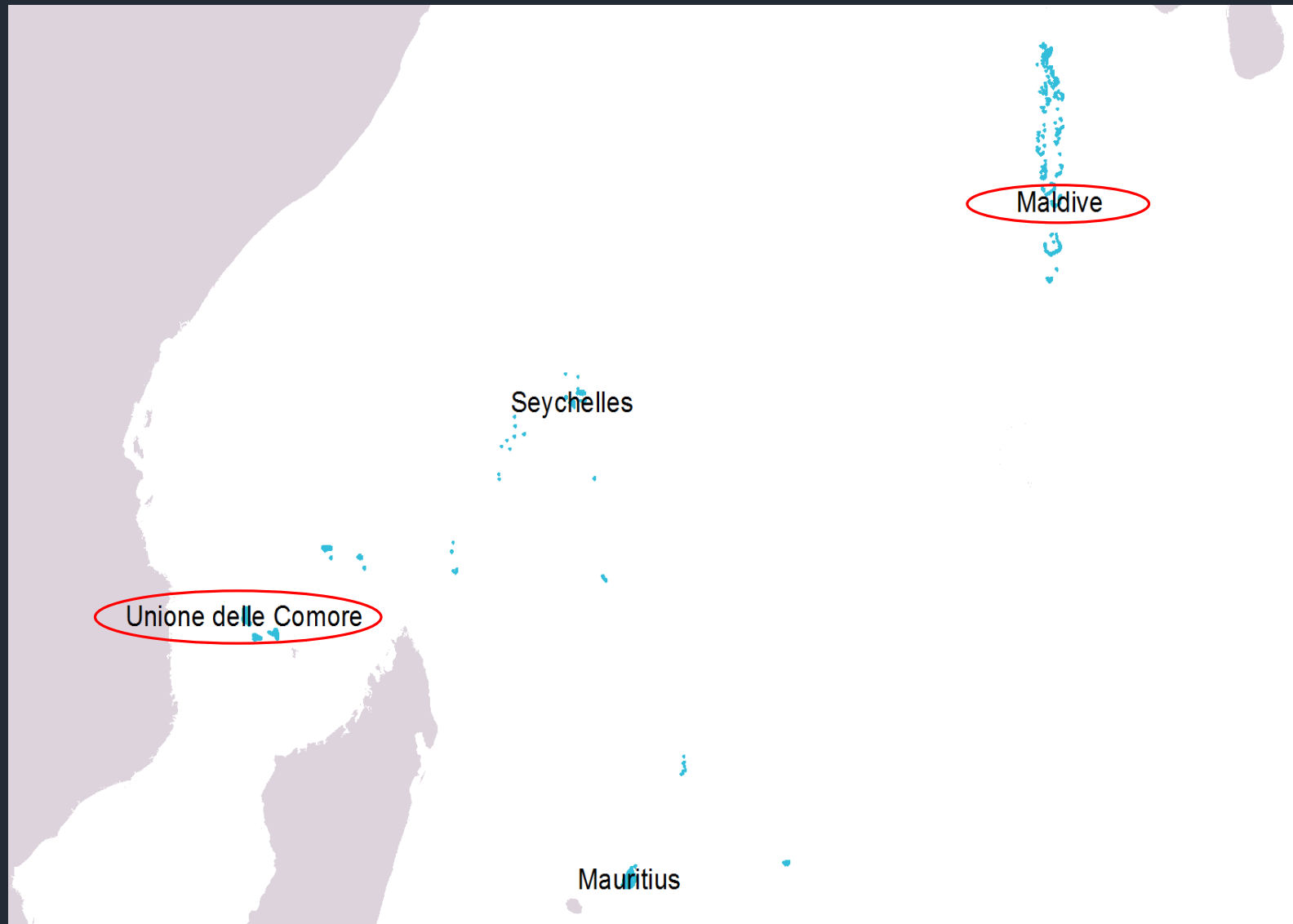
ECOSYSTEMS PRESERVATION

- Water desalinization through Reverse Osmosis technology powered by Solar Energy
- Sustainable water management and collection
- Sustainable agriculture
- Sustainable waste management

PACIFIC ISLANDS



INDIAN OCEAN



CARIBBEAN



Thank you for your attention!

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