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One of the **objectives of LOICZ** is to identify the **most vulnerable coastal regions** under global change. Alice's research on coastal lagoons has direct relevance to these fragile and valuable coastal systems that are very vulnerable to eutrophication, changes in sediment supply and sea-level.

Alice's main research interest is **eutrophication**, particularly with respect to the biogeochemical cycles. Eutrophication expresses itself through a cascade of direct and indirect impacts on ecology and economy with major implications for land-use and coastal zone development.

Capacity building is an important part of the cross-cutting activities of LOICZ. The linking of *Integrated River Basin Management* and *Integrated Coastal Zone Management* is the major objective of the **Erasmus Mundus** Joint Master of which Alice is the coordinator. The course is the joint effort of 60 Universities that pool human resources to develop a global postgraduate programme in Water and Coastal Management.