Hochschule Bremerhaven



## The Importance of Seaweed Resource Centers

**Prof. Dr. Laurie C. Hofmann**, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research & Bremerhaven University of Applied Sciences **Dr. Janina Brakel**, Helmholtz Institute for Functional Marine Biodiversity **Dr. Inka Bartsch**, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research



Jwe Nettelmann/AWI

Hochschule Bremerhaven

ALFRED-WEGENER-INSTITUT HELMHOLTZ-ZENTRUM FÜR POLAR-UND MEERESFORSCHUNG

# Seed banks preserve biodiversity

They provide access and insurance to modern agriculture



ISAAA J



Conserve seaweed diversity

Develop standard operational procedures and provide technical expertise

Promote public awareness



IMPACT



#### **Economic growth**

Contribution to food security and scaled up European macroalgae production



#### **OBJECTIVES**

Ensured Accessibilty of seaweed strains to everyone

#### Support of research,



producers and sustainable harvesting methods





♥₩

Restoration of kelp forests and marine biodiversity hubs

Increased consumer trust in algae products and quality







Scientific Innovations

Fostered seaweed-based research and potential for novel algae based foods and products







### NORCCA







# Target 2.5

maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species...promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge

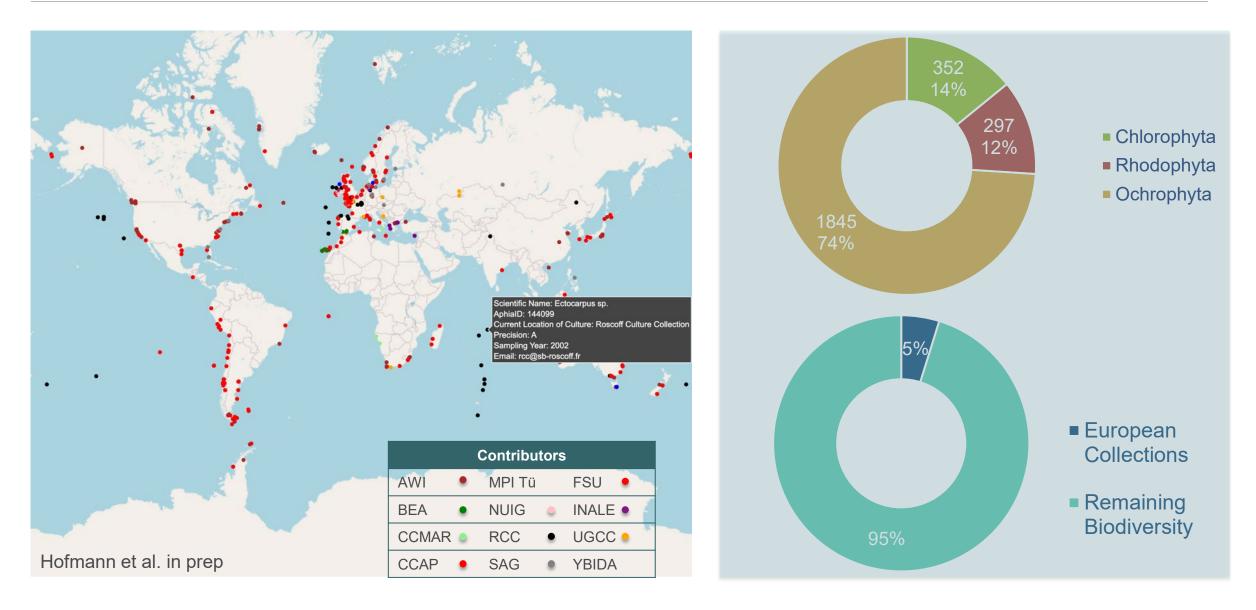




## Indicators 2.5.1 & 2.5.2

- Number of (*a*) plant and (*b*) animal genetic resources for food and agriculture secured in either medium- or long-term conservation facilities
- Proportion of local breeds classified as being at risk of extinction

## Seaweed genetic resources in European collections



6

### Proposed strategy for conserving European seaweed strains

