

Zemkopības ministrija

**LV EMFF UP4 cooperation project  
«Development of a plan for assessment and  
management of seaweed deposits on the sea coast of  
Latvia»**



EIROPAS SAVIENĪBA

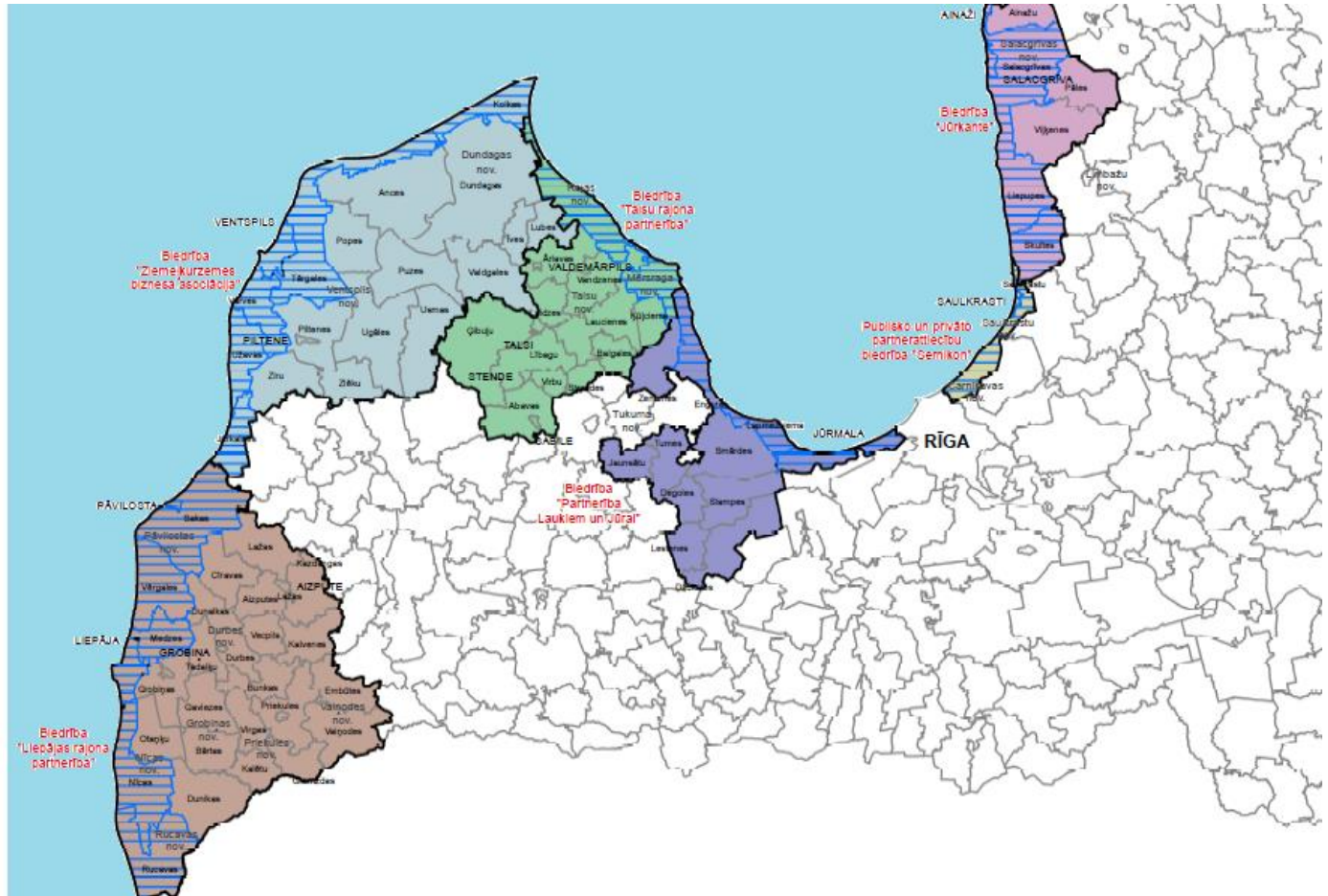
Eiropas Jūrlietu un  
zivsaimniecības fonds

Farnet MA seminar

15.10.2019.



Zemkopības ministrija



- ✓ **6 FLAGs from Latvia** involved in the implementation of the cooperation project
- ✓ **Public financing - 50 thous. EUR**



Zemkopības ministrija



- ✓ **There is currently no seaweed industry in Latvia, even though shore seaweed is abundant in many coastal areas.**
- ✓ **Moreover, when large quantities wash up on beaches, it can become a burden for locals and the tourism industry.**
- ✓ **Project involves collaboration with a group of scientific experts to assess the viability of establishing a Latvian seaweed industry and developing a management plan for shore seaweed.**



Zemkopības ministrija

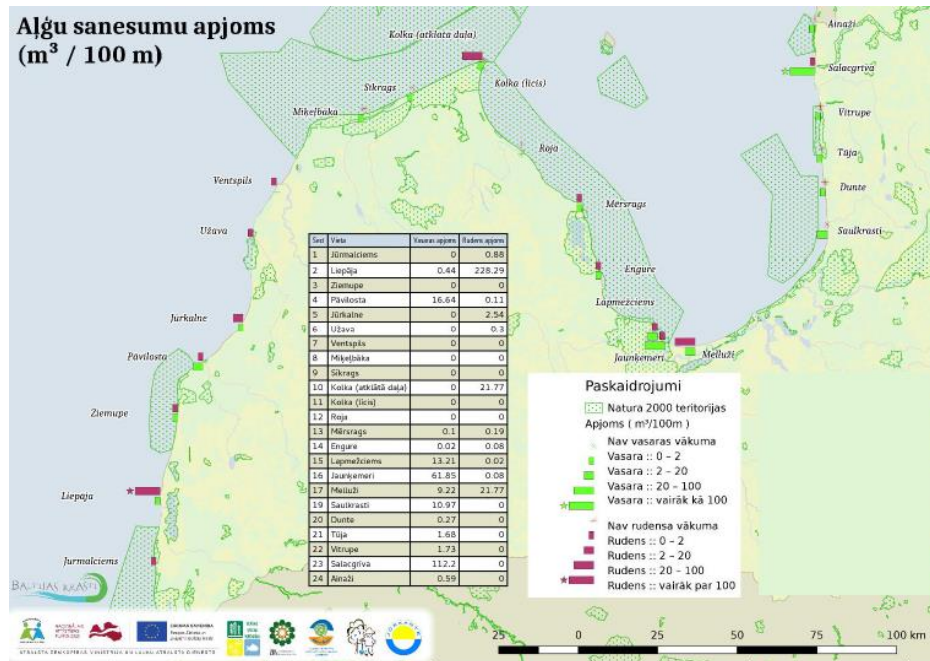
Latvijas piekrastē pārstāvēto dominējošo aļģu sugu saraksts

Taksonomiskais nodalījums	Suga	
Brūnaļģes	<i>Fucus vesiculosus</i>	<i>Phyllocladia littoralis</i>
Sārtaļģes	<i>Furcellaria lumbicalis</i>	<i>Ceramium spp.</i>
		<i>Polysiphonia spp.</i> <i>Coccolytus truncatus</i>
Zaļaļģes	<i>Cladophora glomerata</i>	<i>Cladophora rupestris</i>
	<i>Enteromorpha spp.</i>	<i>Enteromorpha clathrata</i>

Aļģu izskalojumu taksonomiskais sastāvs



Aļģu sanesumu apjoms (m<sup>3</sup> / 100 m)



Brūnaļģu ķīmiskais sastāvs Rīgas jūras līcī, mg/kg<sup>s</sup>

Brūnaļģu analīzes					
Makroelementi	mg/kg	Mikroelementi	mg/kg	Smagie metāli	mg/kg
Kālijs	11000	Dzelzs	490	Kadmījs	1,7
Fosfors	1400	Stroncijs	930	Svins	11
Kalcijs	21500	Mangāns	1680	Cinks	89
Magnijs	9300	Hroms	9,6	Varš	12,7
Nātrijs	6300			Arsens	13,5

- ✓ The project included: data gathering; analysis and laboratory testing; and the development of tools, maps and guidance for end users.
- ✓ It has led to the development of a national data base, including the different types of seaweed present in Latvia; their location; potential uses; guidance for business development; and environmental advice and monitoring, including the identification of the nesting and feeding places of coastal birds.



- ✓ It aims to help institutions, municipalities and entrepreneurs seize opportunities presented by the presence of seaweed, and to provide thorough scientific information for a legal framework guidelines to sustainably harvest the resource.

## **Results:**

- **Creation of a public data collection on Latvia's seaweed resources**
- **Scientific guidelines and system for potential use of shore seaweed**



Zemkopības ministrija

**Thank you!**