

















DINO RODIĆ JELENA KORITNIK NINA ĆORIĆ ANA BOŠNJAK ANA JURIĆ

ZDRAVI I VESELI BILI **KEEP HEALTHY AND JOYFULL**





BROWNFIELD REMEDIATION METHODOLOGY

detailed study of the brownfield area according to the Norwegian protocols (sufficient number of samples from both land and underwater waste)

excavation of the underwater waste - used as **secundary resourse**

characterization (according to the study) of all waste in:

a) reusable part (in groups appropriate to the level of contamination and with testing of material characteristics) as a cover/surface layer b) unusable part is deposited on the side

during the works & construction - wetting the material to prevent dust spreading

if needed: before covering - fitoremediation with suitable plants milk thistle (sikavica) and brown mustard (gorušica)





KEY PARTNERS

Jadrolinija local goverments transport companies (farry and bus) dock concessionaires residential and bussines investors

KEY ACTIVITIES

passanger transport dock rental hospitality, residental, bussines, sports and recreational facilities tourism cultural activities

KEY RESOURCES

reusing waste polluter pays EU fonds partner investors



COST STRUCTURE

financial self-sustainability of chosen activities

expensive remediation but neccesary

COSTUMER RELATIONSHIP

work opportunities wide range of content for both local residents and tourists

VALUE PROPOSITION

reliefe of Split ferry port connecting Dugi Rat with surrounding areas tertiary sector growth



POSITIVE EFFECTS

removal of underwater waste lowers the threat to the marine ecosystem

naturally present clay minerals in sea sediment adsorb potential remaining pollution

green areas contribute to biodiversity (bees, ...)

reusing waste as a material

farry port effect on the enviroment acceptable as the depth of the area is not suitable as a beach and is suitable as a farry port which is needed in the region



NEGATIVE EFFECT



POTENTIAL IMPACT OF THE CLIMATE CHANGE

sea level rise more frequent and intense extreme weather events

facilities place near the cost are more resilient and adatable to the changes (concrete farry and green areas vs. high-rise construction)

METHOD OF MEASURING

long-term monitoring of the eviroment according to the Norwegian standards and protocols (seashells, ...)



END OF LIFE

chosen content is long-lived and not dependant economic trends



according to the local interviews

PROBLEM DEFINITION

brownfield remediation farry port necessity in the region work opportunities to keep the residentes here

SOCIETAL CULTURE

governance distrust & resentment fear of pollution & of abandoning ancestry RENE DIATION OF BROWNFIELD, RENE DIATES SOCIETAL CULTURE RENE DIATES SOCIETAL CULTURE

PROBLEM SOLUTION

local trust & satisfaction recovery by transparent remediation prevention of health risks and fears

creating content for a wide range of local wants and needs NOT POSSIBILITIES.



USERS

local residents of wide age range tourists, dock users, travelers

employment for different levels of education

VALUE

cultural , sport, recreation, health and green area offer for both residents and tourists

theatre, museums (remembrance of the factory and Drago Ivanišević)

eco-awareness



theatre.

2. PARK

STATION

sports.

M.I.G - Dugi Rat urban plan mj:1:5000

1.PUBLIC AND SOCIAL PURPOSE

The space is created in the center of Dugi Rat. It would contain a small square, a multi-purpose building, a hall, a small museum with a presentation of the history of the area and an exhibition of the works of the writer and painter Drago Ivanišević and a new

We propose to build a green area that extends from the existing landscaped garden in the north, across the waterfront to the central part of the area. The park is decorated in a Mediterranean style with autochthonous and local plants, inside it there is also a summer stage that the local community would use for cultural events, outdoor concerts and performances. The park would also contain a few coffe shops, sports fields, a running track and playgrounds, making it suitable for many ages.

3. PARK / HOUSING AREA

It is proposed to build a residential area that depends on the needs of the local community. Originally, this space was intended as a park with phytoremediation with suitable plants. If the community sees that new residential construction is needed due to increased traffic from the port and new tourist and social facilities, the space can be used for the construction of a residential area after rehabilitation.

4. ADMINISTRATIVE PREMISES AND BUS

We propose to build the administrative and control areas of the port, parking, and move the old and rundown bus station to a new area with a new approach and traffic distribution.

5. FERRY PORT

We propose to build a ferry port with a vehicle loading area. The port area is surrounded by a breakwater and is located in an area that is being rehabilitated and returned to the original coastline before the disposal of waste material.

6. RENOVATION OF THE OLD PORT

We propose to renovate the old port and add a new extension which would also be used as a new recreational area for water

7. TERRACE GARDENS

Construction of terraced gardens for the purpose of remediation of the terrain and protection from the busy road. The gardens are filled with Mediterranean plants.PUBLIC

0	100

250