

Project "Green Solutions for
Nature Protected Areas" (KA5043)

Green Solutions on Ärjänsaari Island and Hossa NP

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Waste management plan for Ärjänsaari Island

- Cooperation with Ekokympi (Municipal Waste Authority of Kainuu) and the City of Kajaani
- Waste management practices e.g. for visitors' waste, dry toilet waste, construction waste and grey water
- Litter free hiking (started in May 2019)
- Good experiences: significant littering has not been observed



Dry toilets on Ärjänsaari Island and Hossa NP

- Separating toilets (liquid is separated from solid waste)
- Accessible toilets (for people with physical disabilities)
- Also tanks for toilet waste collection and transportation were purchased



*Biolan Populett
dry toilet*



Waste collection point at Koutalahti Harbour

- As litter-free hiking has been started at Lake Oulujärvi (e.g. Ärjänsaari Island), some waste collection points are needed on the area.
- Waste bins for plastic, cardboard, glass-metal, mixed waste and mixed harbour waste
- For the waste of boaters



Solar energy systems on Ärjänsaari Island

- Oulun Energia (invoicing partner) designed the solar energy systems and prepared procurement materials.
- In 2019, solar energy systems were installed in four buildings:
 - Kotila (summer café)
 - Saunala (shepherds' cottage)
 - Vierasmaja (rental cottage)
 - Cooking shelter with a mobile charging point
- In 2020, some extra batteries were installed to ensure sufficient energy supply.



Heat pump system at the Visitor Centre of Hossa NP

- The system contains four pumps:
 - 3 pumps: lobby and café
 - 1 pump: kitchen



Events and meetings

- Launching event of CBC project, Vuokatti (08/2018)
- Visit to Kivach NR and project meeting in Petrozavodsk (11/2018)
- Benchmarking trip to Repovesi NP (02/2019)
- Training seminar on Ärjänsaari Island and project meeting in Kajaani (08/2019)
- Visit and project meeting in Kostomuksha NR (02/2020)
- Final seminar (online, 09/2020)



Communication, promotion, publications

- Solar energy plans for the pilot sites on Ärjänsaari Island, tender documentation, guidelines for users
- Waste Management Plan for Ärjänsaari Island
- Demonstration film, final brochure
- Press releases, news on websites and social media
- Visibility of the project (billboards)

Ärjänsaari Island was selected for the final competition of **Finland's Hiking Destination of the year 2020**. The theme in the competition was "environmentally friendly solutions". Ärjänsaari did not win the competition but the island and its ecological solutions (e.g. solar energy systems) received wide publicity. Many papers wrote about the competition and candidates.





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Thank you
for your kind
co-operation!

We look
forward to
our future
collaboration.



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