

The ESIN cluster in the SMILEGOV project



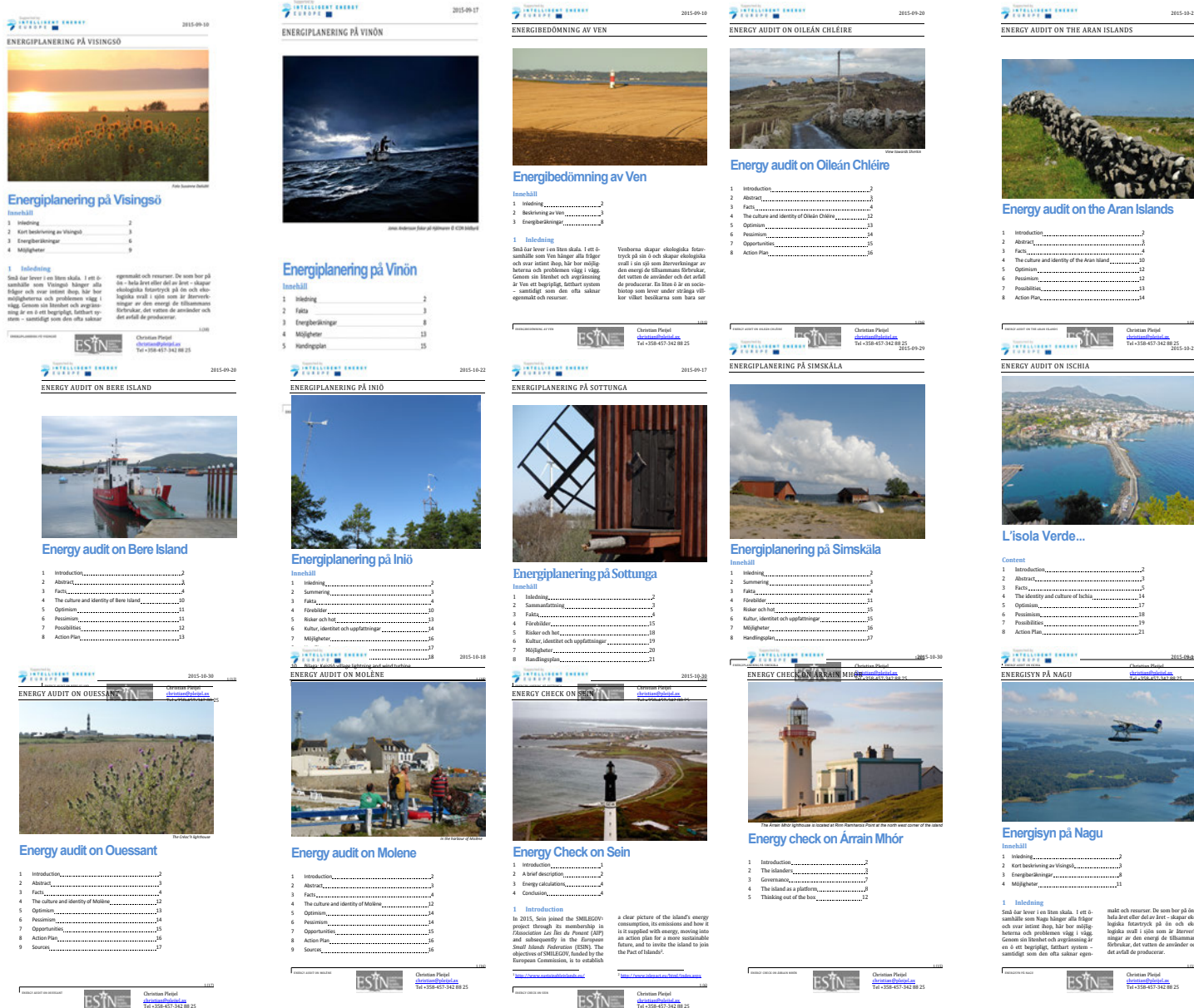
15 small islands



40 great people



Fifteen energy-focused small island reviews



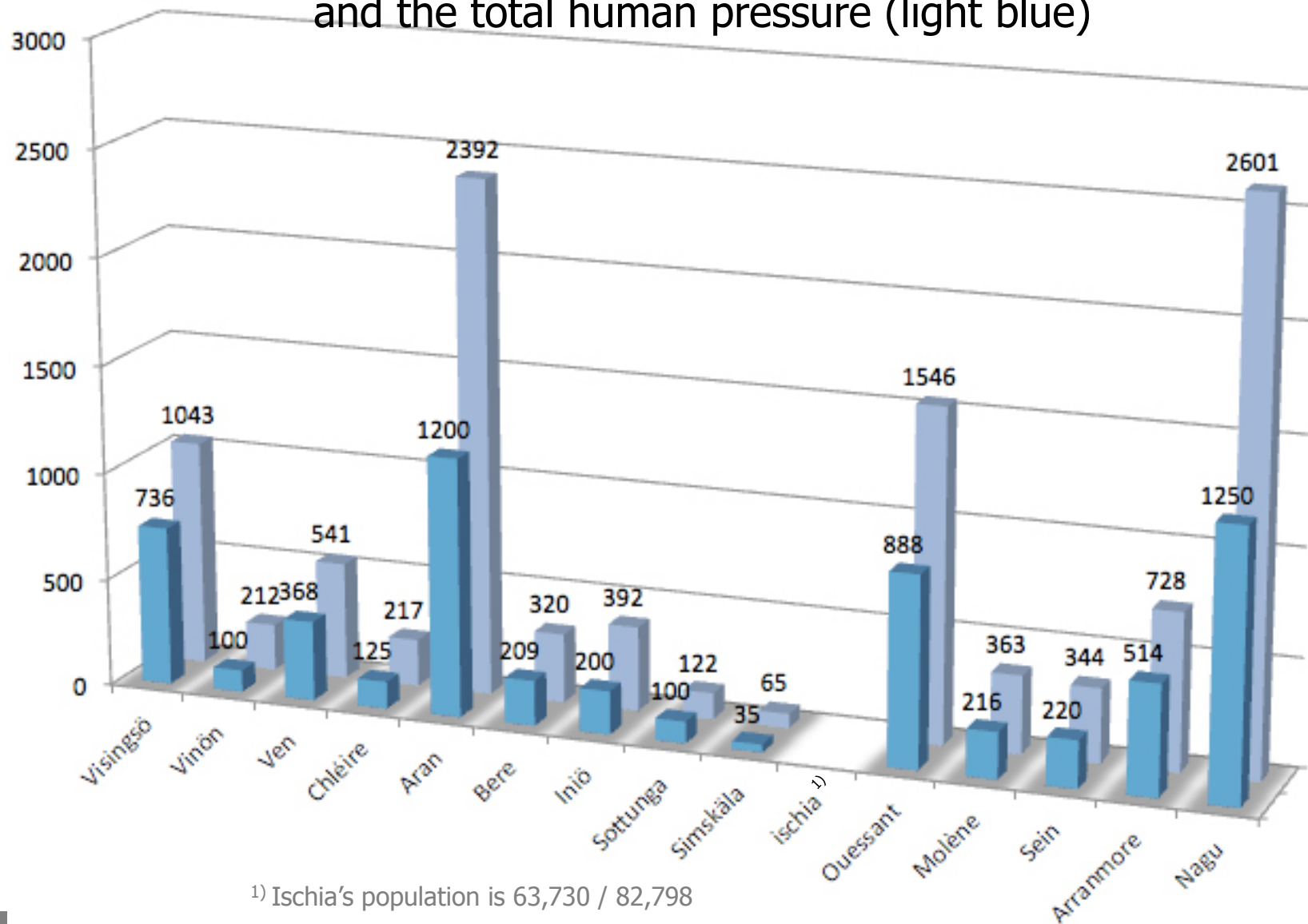
The Pact of Islands

15 small islands who want to be active contributors to the European 2020 targets, new signatories to the Pact of Islands, and maybe a few more to come...



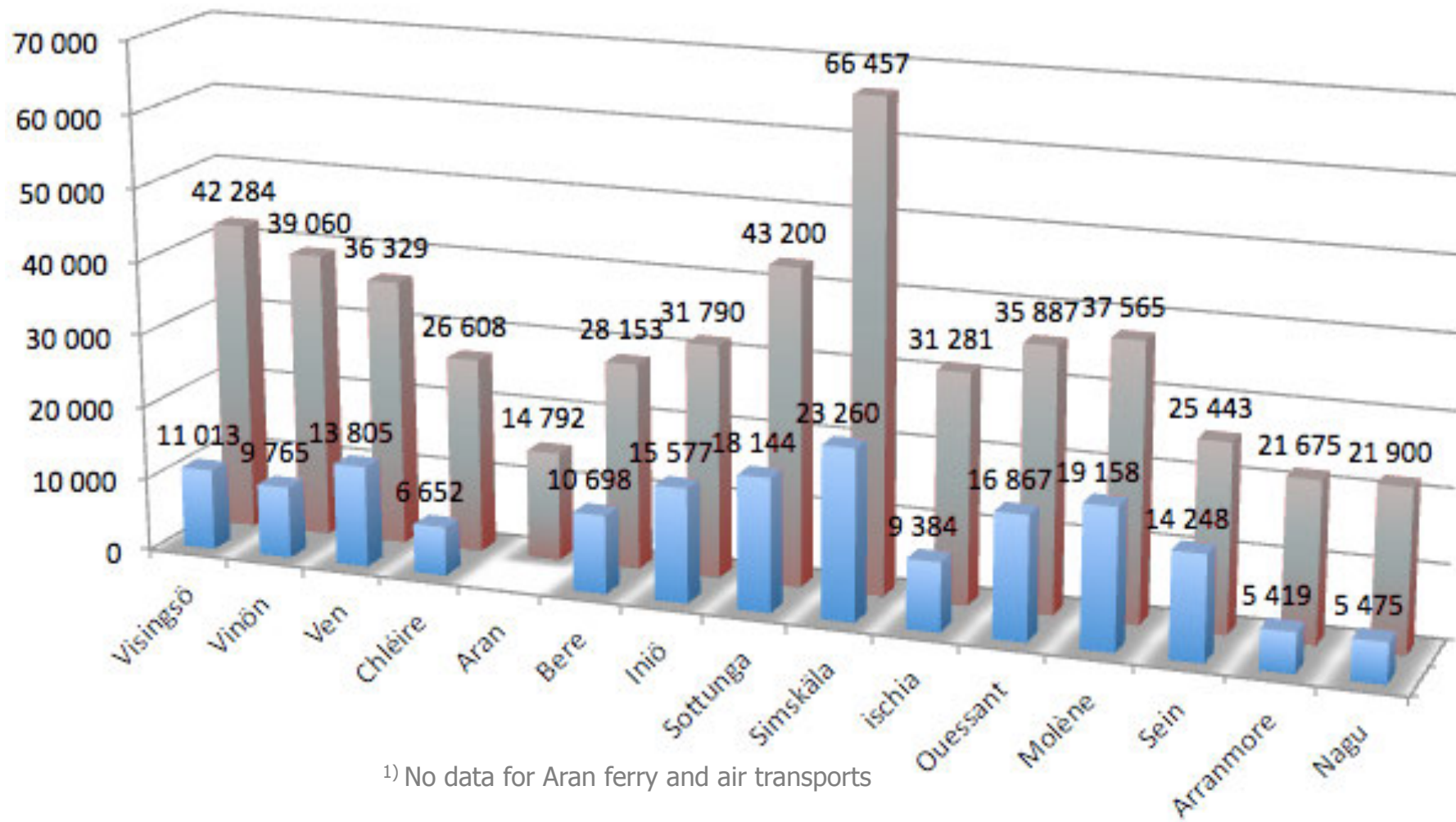
Lessons learned

Population according to census (dark blue)
and the total human pressure (light blue)

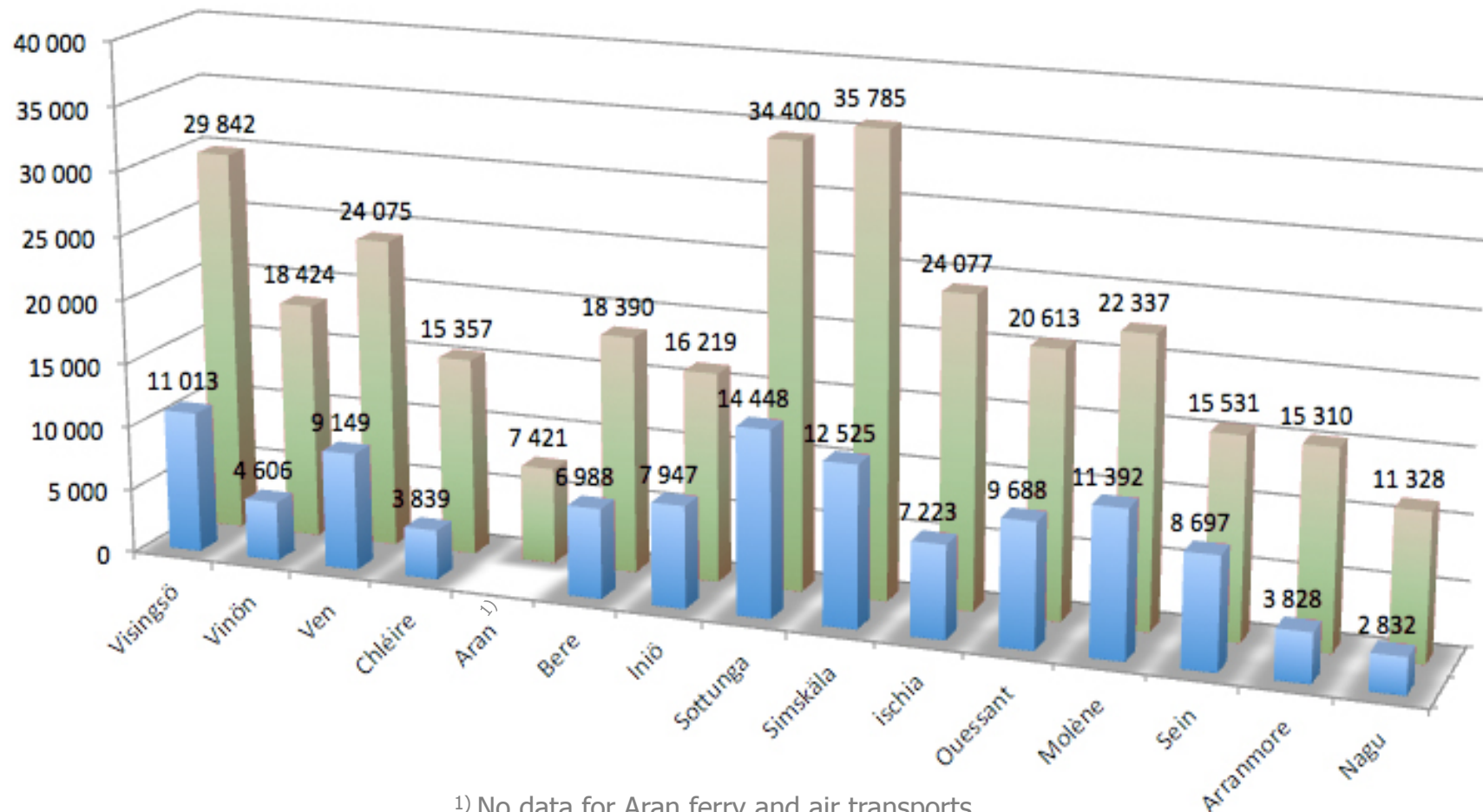


¹⁾ Ischia's population is 63,730 / 82,798

Total energy use of kWh per capita and year (grey),
whereof ferry energy consumption per capita and year (blue),
population counted on census data



Total energy use in kWh per capita and year (green),
whereof ferry energy consumption per capita and year (blue),
population counted as total human pressure



Emissions, in-island and ex-island

Big variations but generally islands have a high ability to absorb CO₂ especially when accounting for the sea.

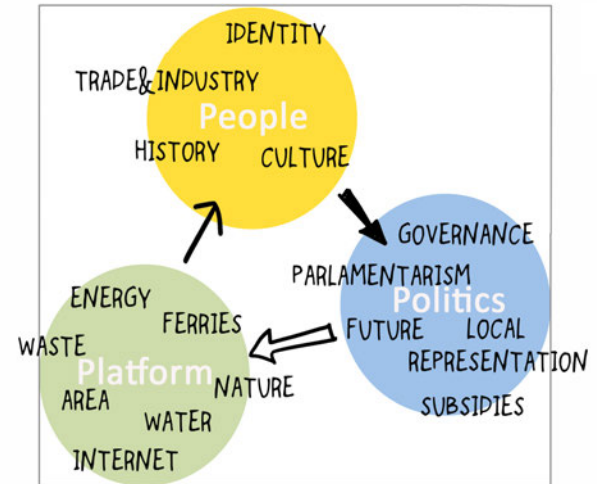
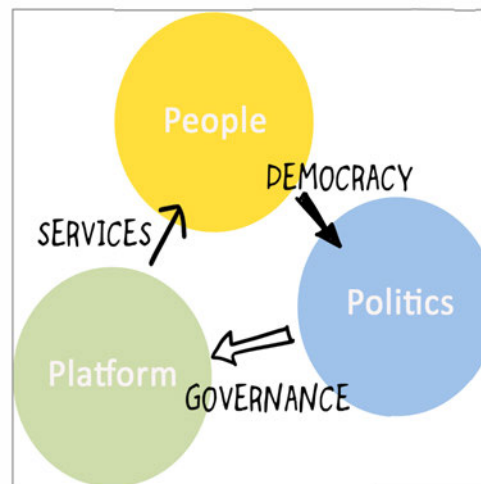
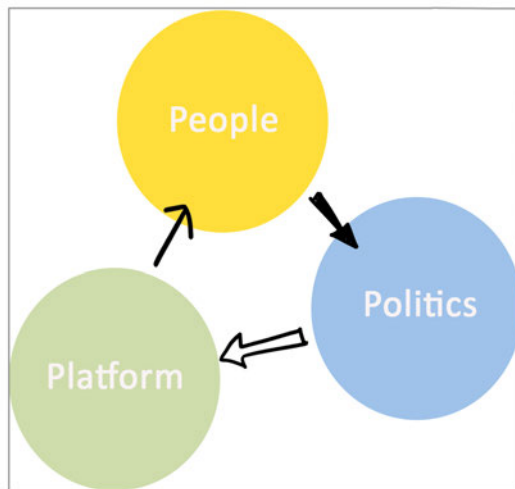
Huge impact from sea traffic – in-island and ex-island.

Sottunga in the Åland Islands has 3,000 ships passing through its waters per year, causing 400 times more emissions per year as the island does itself.

Ven in the narrow Baltic strait has 75,000 ship movements passing close by the island a year.
Emissions not calculated.

Governance, inside the box

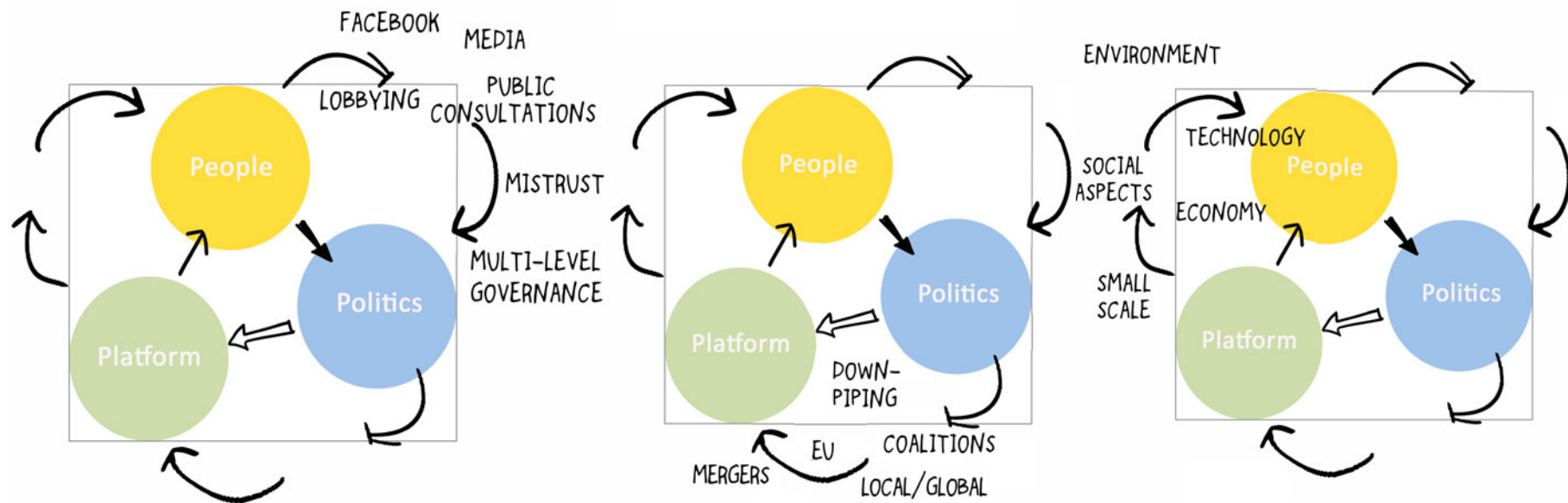
A simplified model with the island as "a box" defined by (1) the people on it, (2) the political system we use to maintain and develop the island, and (3) the island itself and its infrastructure, for example energy



Governance, outside the box

Outside the box the world is changing: the way we interact with politicians, the terms under which politicians act, and what we demand in terms of services and infrastructure.

We cannot stay inside the old box if we want change.



What we want to do

For a full list, see <http://europeansmallislands.com/smilegov/>

Lowering energy consumption

Renovation, isolation of houses:
Molène, Aran, Árrain Mhór, Sein, Ouessant, Bere, Chléire, Sottunga

Stocking of energy, planning for peak hours: **Molène, Chléire**

Exchange of household appliances: **Sein, Ouessant, Molène**

Mobility in general: **Ischia**

Electric vehicles: **Aran, Visingsö**

Electric ferry: **Simskäla**

Producing local renewable energy

Hydroelectric turbines: **Ouessant,**
Small-scale wind energy: **Chléire, Iniö, Visingsö**

Photovoltaic generation: **All**

Micro grids: **Visingsö, Vinön, Molène**

Biogas: **Nagu, Ven**

Yes we can.

