

Sustainable energy: Problems and challenges in investments

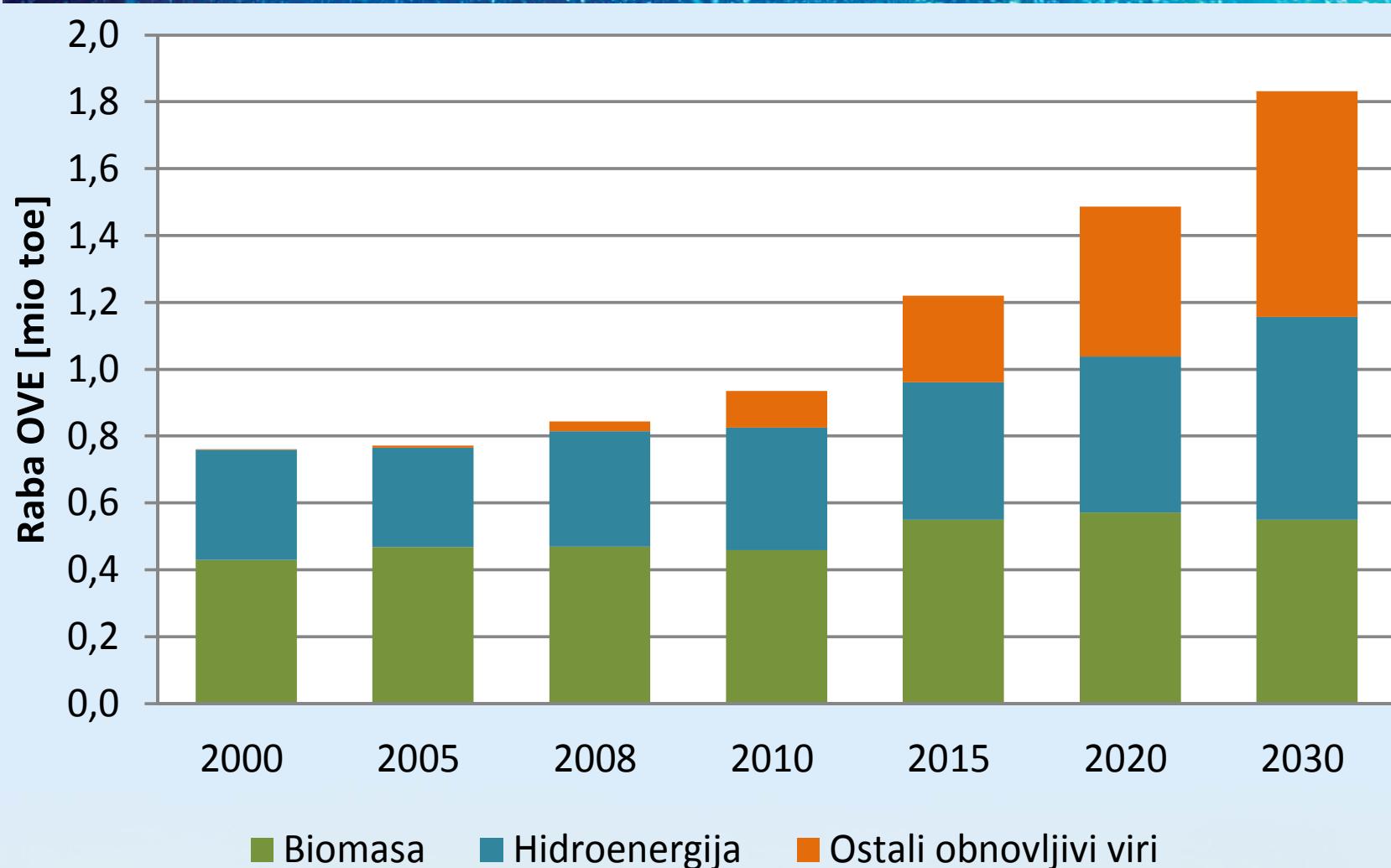
Matjaž Eberlinc, PhD

Energy Platform Workshop 2, Energy vs. Environment - interest conflicts and the acceptance for energy production in the Alps

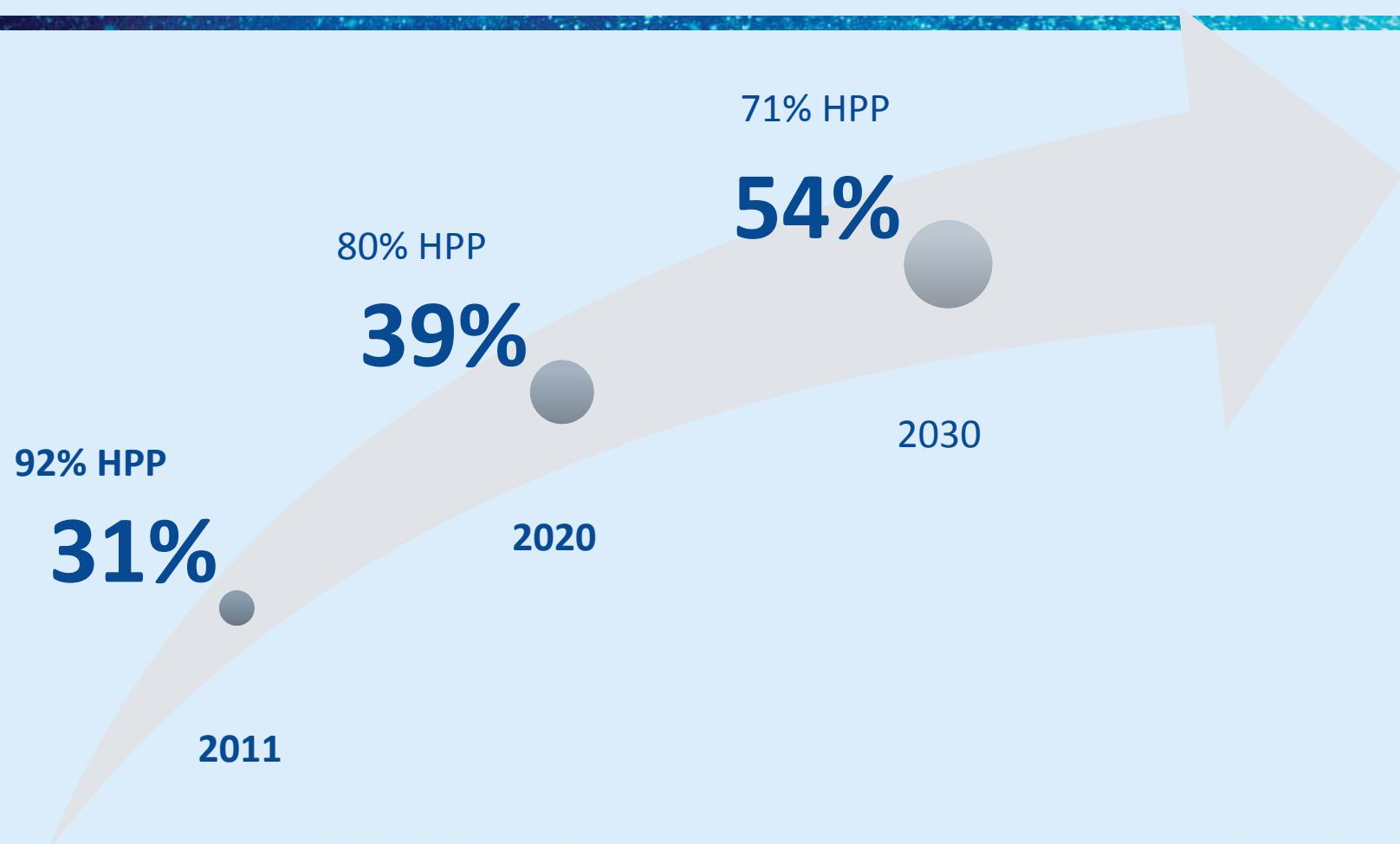


24 - 25 October 2013, Lucerne, Switzerland

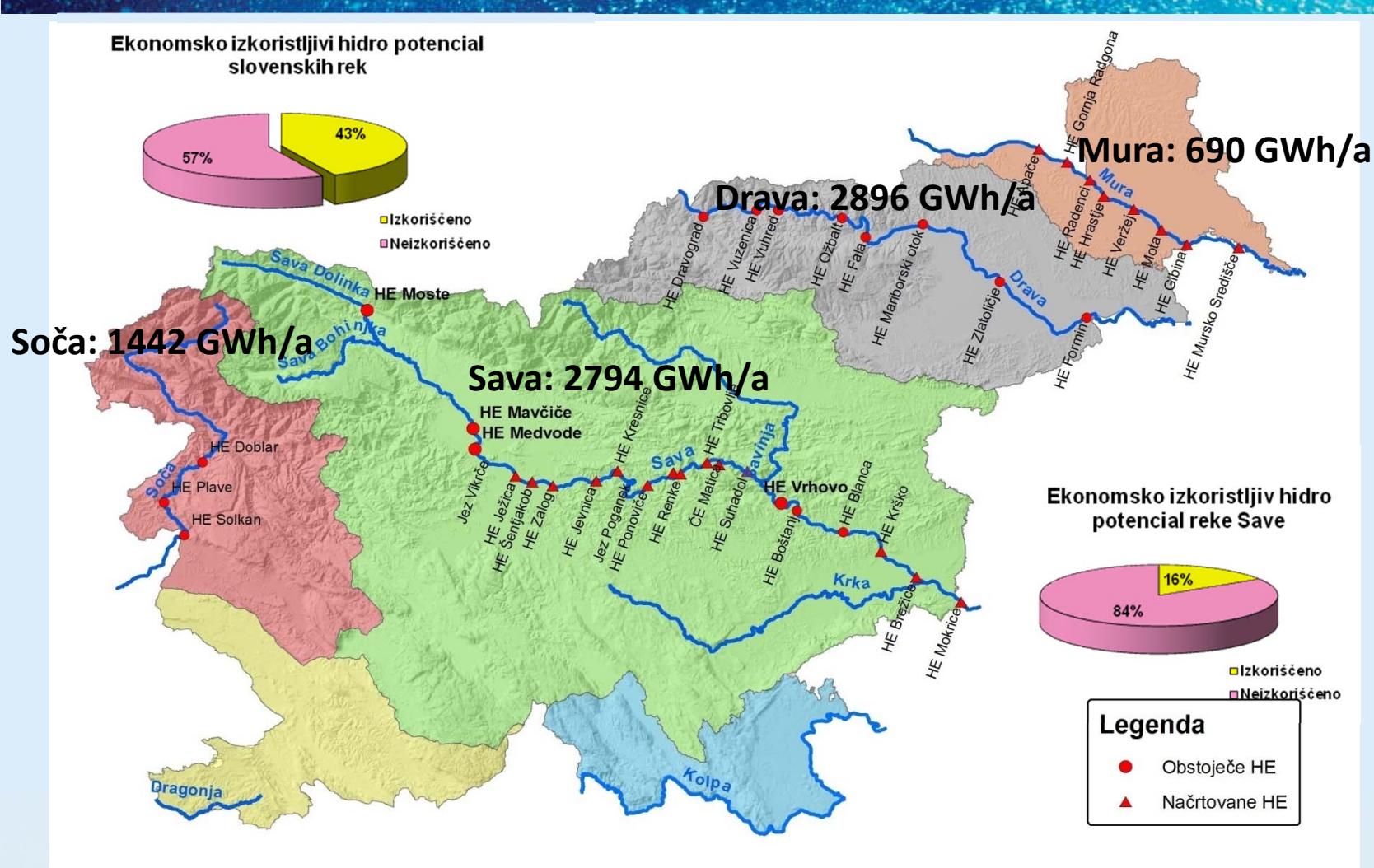
Role of RES in primary energy supply



Share of RES in primary energy production



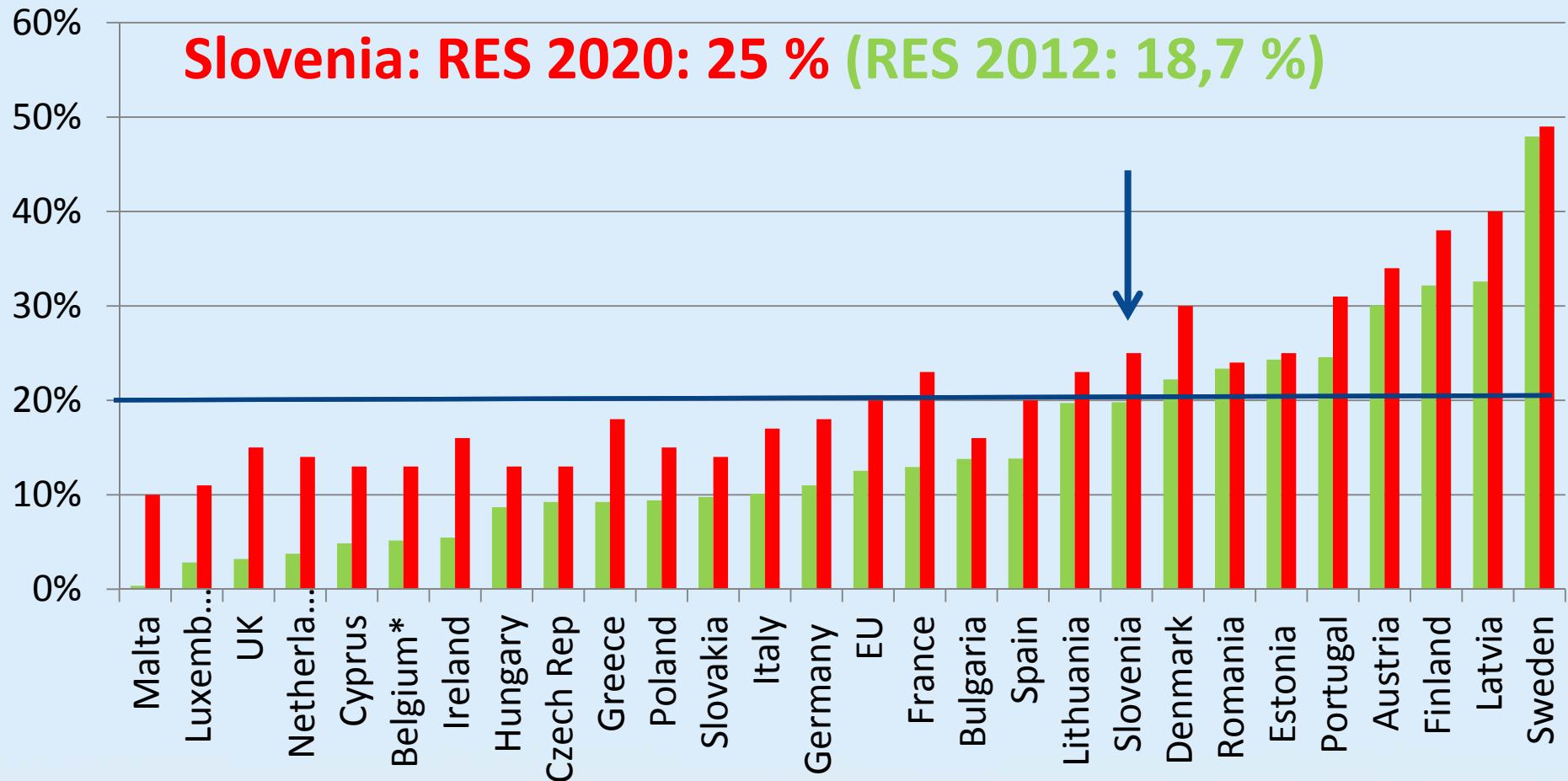
Slovenia hydro potential



Future ...

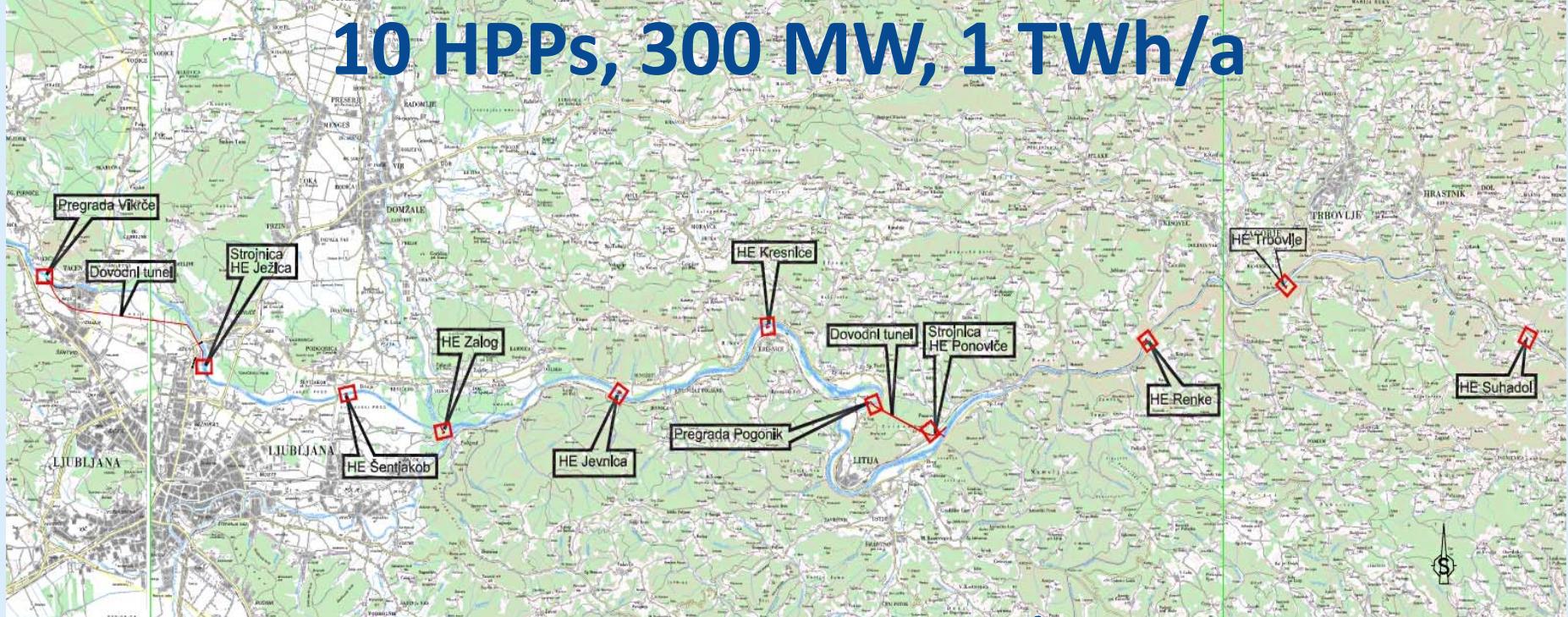


RES 25/20/20



HPP on middle Sava River

10 HPPs, 300 MW, 1 TWh/a



ApRES 2020 (HE>10MW) 1176 MW, 4,6 TWh/a. Assessment for Sava: 643 MW, 2 TWh/a. Technically available potential of the River Sava already used: 25%, with HPPs on the middle Sava River: 35%. With the entire chain of HPPs on the river Sava the share increases to 72%.

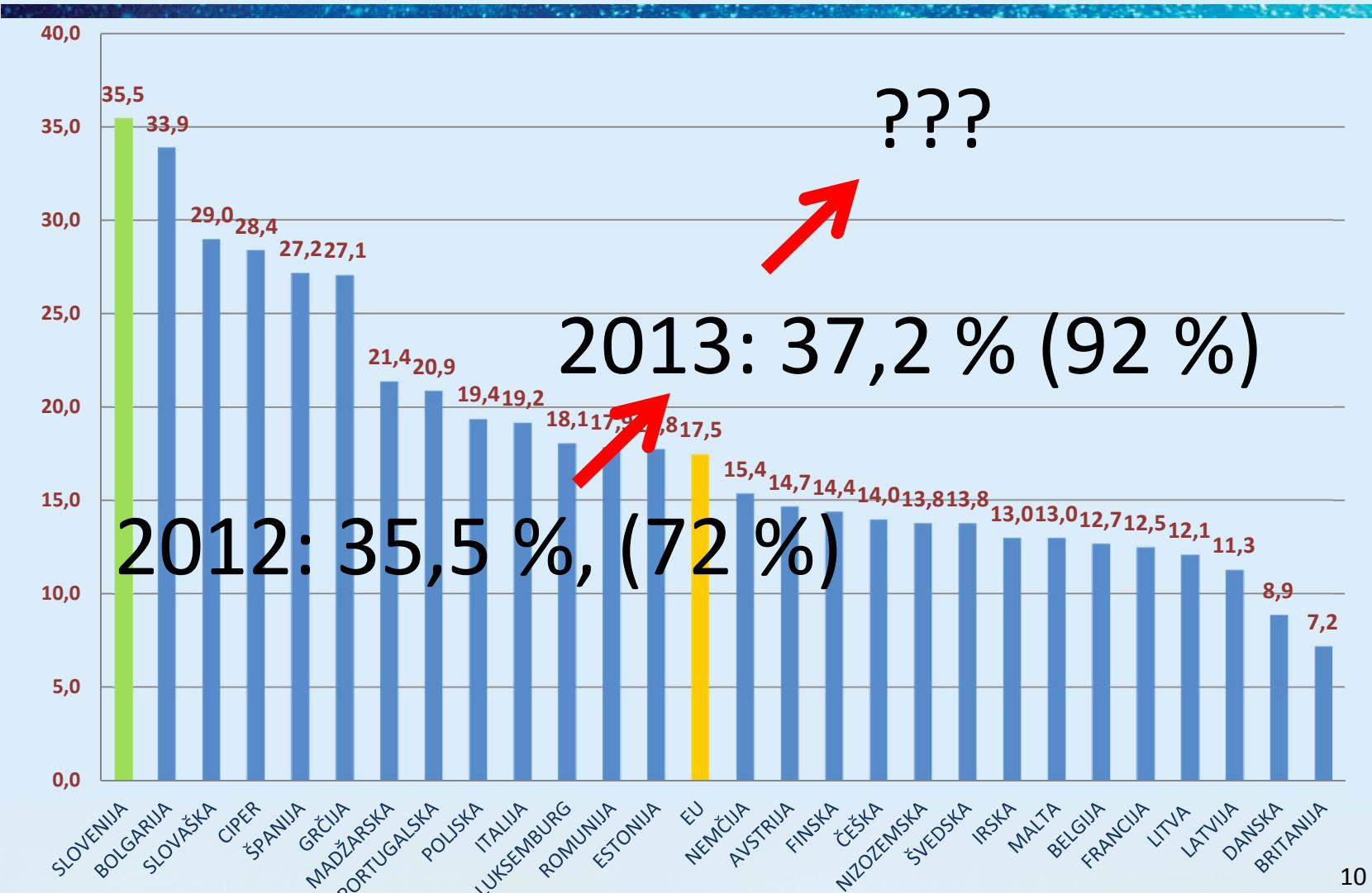
Video presentation



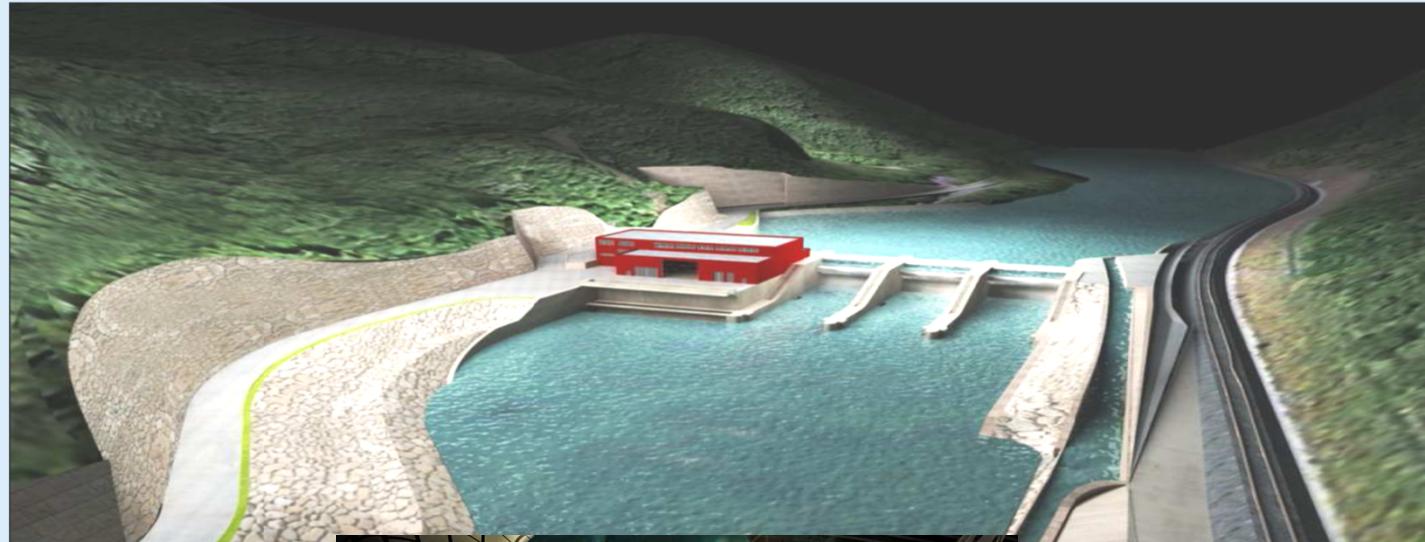
Multiutility concept of the Project

- Protection against flooding;
- Arrangement of the level of groundwater;
- Arrangement of the areas of indigenous animal and plant species;
- Arrangements of local and state infrastructure in the area;
- Arrangement of the water management of the Sava River and its inflow;
- Obtaining the water surfaces for sport and recreational purposes;
- Possibility of water retention in times of critically low flows;
- Possibility of irrigation of agricultural surfaces;
- Preventing the deepening of river channel;
- Possibility of cleaning waste water.

NATURA 2000



HPP and *Hucho Hucho*



Measures and solutions (Austria, Danube Region)





Modri Jan



Thank you.

