

HYDRO POWERPLANTS CHAIN ON THE LOWER SAVA RIVER

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Forum topics	<input checked="" type="checkbox"/> Energy in 21st Century	<input type="checkbox"/> Cultural Heritage in Digital World
	<input type="checkbox"/> Engineering Capacity Building	<input type="checkbox"/> Disaster Risk Management & Governance for Resilient Communities
	<input type="checkbox"/> Construction 4.0	<input type="checkbox"/> BIM Lifecycle, Facility & Asset Management

Abstract:

Problems - Issues / Challenges-Needs	<p>Growing electricity consumption:</p> <ul style="list-style-type: none"> Electricity consumption in Slovenia is and will be growing, so new renewable electricity production units are and will be needed to cover electricity demand and assure stable electrical grid and system operation <p>Flood protection:</p> <ul style="list-style-type: none"> Posavje region was and still is exposed to the floods, so flood protection is necessary to provide appropriate conditions for living and society development <p>Climate changes</p> <ul style="list-style-type: none"> Actions to reduce impacts on the environment are needed and must take place, if not already taken, immediately or climate change causes, such as floods, will cause even greater damages and negative consequences
Solutions - Methods / Results - Findings	<p>Multipurpose project:</p> <ul style="list-style-type: none"> To address current huge problems/issues with foreseen growing trends in case of not taken any serious actions, adequate actions had to take place already and have to take place immediately The multipurpose project on the Lower Sava river in Posavje was launched in 2002 to address at the time present and foreseen problems/issues in following sectors: energy/electricity, flood protection, environment protection, economy, agriculture, local society, etc. Unites interests and provide benefits for different interest communities; Republic of Slovenia, power/electricity producers, local communities, different companies in fields of production, building, tourism, agriculture, sport associations, nature protection associations, etc.
Novelty - Value / Relevance to ...	<p>Multipurpose project:</p> <ul style="list-style-type: none"> Addresses: <ul style="list-style-type: none"> Requirements and expectations of different interest communities Climate change needed actions Improves current living and economy conditions and provides a new solid sustainable platform for future society and economy development
Forum statement	Hydro powerplants as a part of renewable energy sources are the answer and the need in relation to the climate changes

Keywords:

HPP - Hydro powerplants, RES – Renewable energy sources, CC – Climate change, Multipurpose

Graphics:

