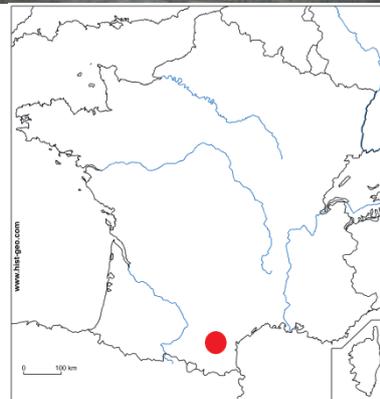
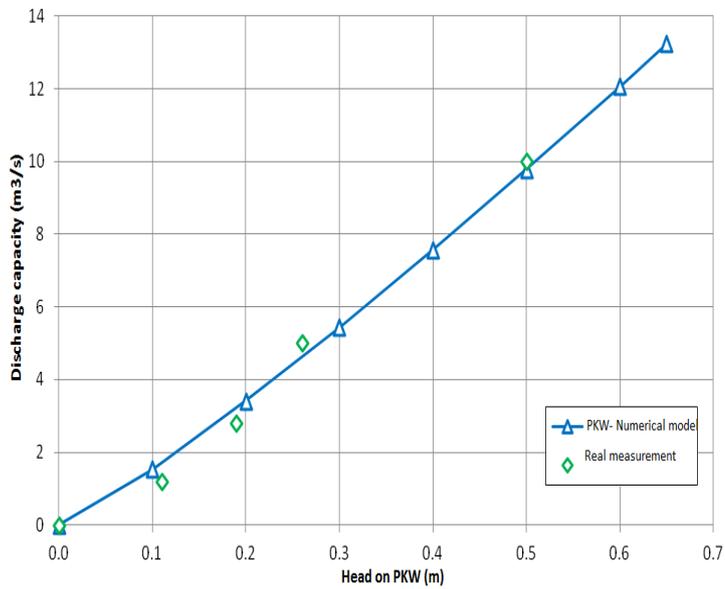




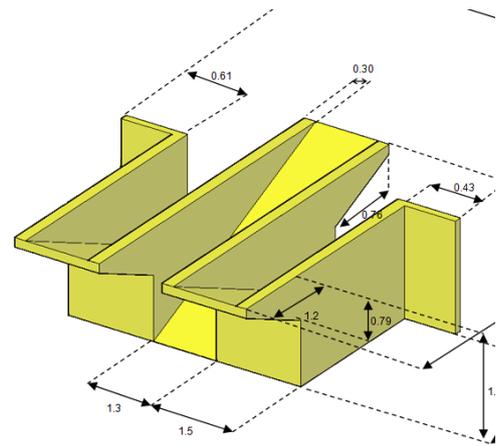
Dam's name: **ESCOULOUBRE** PKW's year of Construction: 2011



Country: France

<i>Progress of work :</i>	Built
<i>Dam's owner:</i>	EDF
<i>Consultant and physical model laboratory:</i>	ULG (post construction)
<i>Contractor:</i>	AUGLANS / AGTP / CAZAL
<i>PKW location:</i>	Alongside the intake channel just before the surge chamber
<i>Downstream energy dissipation type:</i>	Impact basin
<i>PKW purpose:</i>	Operation due to the plant
<i>PKW discharge capacity at MWL (m³/s):</i>	13
<i>Surveillance devices (Presence and type):</i>	No
<i>Aeration (type and diameter of the pipe):</i>	No aeration
<i>Overflowing Frequency:</i>	Daily during 1 year (renovation of the upstream plant) – Annually now
<i>Number of overflow known:</i>	> 10
<i>Maximum head on PKW experienced (m) and date:</i>	Unknown
<i>Material of the PKW:</i>	Reinforced concrete
<i>Type of model used:</i>	Based on literature
<i>Type and number of other spillway:</i>	1 siphon spillway
<i>B (m):</i>	5.1
<i>P (m):</i>	1.77
<i>W (m):</i>	4.85
<i>L (m):</i>	21.85
<i>Number of inlet:</i>	1
<i>W_i (m):</i>	1.3
<i>Number of outlet:</i>	2
<i>W_o (m):</i>	0.9
<i>T_s (m):</i>	0.3

Plan view of the PKW



Upstream view of the PKW

Downstream view of the PKW

Comment:

It is used to discharge the turbined flow coming from Escouloubre hydropower plant in case of sudden plant stop. Overflowing during one year, this PKW has been used by the university of Liege to study the scale effect.