

Square lake representation at the Brague catchment scale on flood disaster of Oct. 2005: the full FEV of 1.9 Mm<sup>3</sup> is equivalent to a square lake of side nearly 1 km long and 2 m deep. The existing retention concrete basin of 10,700 m<sup>3</sup> handle less than 1% of this total volume at high cost. Giving 30 m of width to the river would cope with 42% of the FEV while the natural retention areas would cope with 26% of the FEV at low cost. 31% of FEV remains and require other measures if one want to protect against the full event.

## 6.27 Moisture index

**Project Name:** PHUSICOS (Grant Agreement no. 776681)

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Moisture Index		Green Space Management Natural and Climate Hazards
<b>Description and justification</b>	Indicators of Moisture sub-criterion will assess the portion of total precipitation used to satisfy plant (vegetation) needs.	
<b>Definition</b>	As used by Thornthwaite (1931) in his climatic classification: an overall measure of precipitation effectiveness for plant growth that takes into consideration the weighted influence of water surplus and water deficiency as related to water need and as they vary according to season.	
<b>Strengths and weaknesses</b>		
<b>Measurement procedure and tool</b>	Living Labs/Model	
<b>Scale of measurement</b>	-	
<b>Data source</b>		
<b>Required data</b>		
<b>Data input type</b>	Quantitative	
<b>Data collection frequency</b>		

<b>Level of expertise required</b>	High
<b>Synergies with other indicators</b>	
<b>Connection with SDGs</b>	13
<b>Opportunities for participatory data collection</b>	
<b>Additional information</b>	
<b>References</b>	Thornthwaite C.W. (1931). The climates of North America according to a new classification. <i>Geographical Review</i> , 21, 633–655.

## 6.28 Flammability index

**Project Name:** PHUSICOS (Grant Agreement no. 776681)

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Flammability Index		Green Space Management Natural and Climate Hazards
<b>Description and justification</b>	Indicators of Flammability sub-criterion will assess the ability of a landscape to burn or ignite, causing fire or combustion.	
<b>Definition</b>	Ability of a landscape to burn or ignite, causing fire or combustion.	
<b>Strengths and weaknesses</b>		
<b>Measurement procedure and tool</b>	GIS/Survey	
<b>Scale of measurement</b>	-	
<b>Data source</b>		
<b>Required data</b>		