FLIAT

3D flood impact visualisation tool

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Besides calculating the impact of floods, FLIAT comes with a webGIS visualisation application. The 3D environment is build by using Cesium 3D Openlayers.

CASE STUDY: OSTEND, BELGIUM

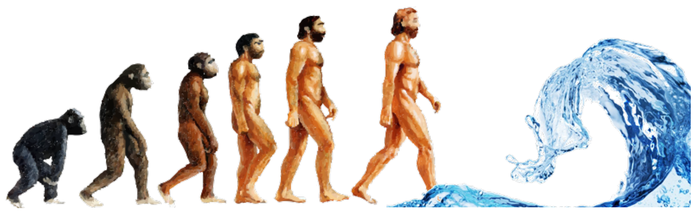
LOW ELEVATION AREAS ARE AT RISK

Increasing frequency and severity of storm surge events world wide

PUBLIC AWARENESS LAGS BEHIND

Although scientists widely stress the compelling need to mitigate and adapt to climate change, public awareness lags behind.

ADAPTATION TO CLIMATE CHANGE



since floods causes:
-damage to energy and transportation infrastructure;
-disruption to the delivery of services;
-a devistating tool on public health.

Vital infrastructures are going to be affected

CASE STUDY: NEW YORK, USA

WHY A WEBGIS?

to inform the community of the effects of coastal flood events

-it quickly conveys strong messages

-condenses complex information

-engages people in issues of environmental change

-motivates personal actions.

WHY IN 3D AND NOT 2D?

–It makes it more likely to imagine the consequences of the flood

–It is more vivid and therefore more understandable

–It helps the user to better imagine how serious the flood could be

–It shows the consequences better for the environment

3D TILE SERVER

3D Tiles are an open specification with an open-source implementation in Cesium.

For more information go to www.fliat.be

AGENTSCHAP INNOVEREN & ONDERNEMEN
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