Water Risk & Action Framework

From ideas to implementation to innovation - 27&28 October 2015

Gesellschaft für internationale
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Water Risk & Action Framework (WRAF)

WHAT IS WRAF

1 Prepare

As an honest broker and facilitator, IWaSP mobilises all relevant stakeholder groups and builds common objectives. It conducts a detailed stakeholder and institutional analysis to help develop a sustainable intervention strategy.

2 Assess

IWaSP leverages GIZ's unparalleled water sector expertise to assess water risks and opportunities, followed by a strategic cost/benefit analysis to identify the most viable short, medium and long term solutions.

3 Commit

IWaSP supports the development of compelling business cases, coupled with realistic modes of delivery, to secure the commitment of critical public, private and civil society actors for action.

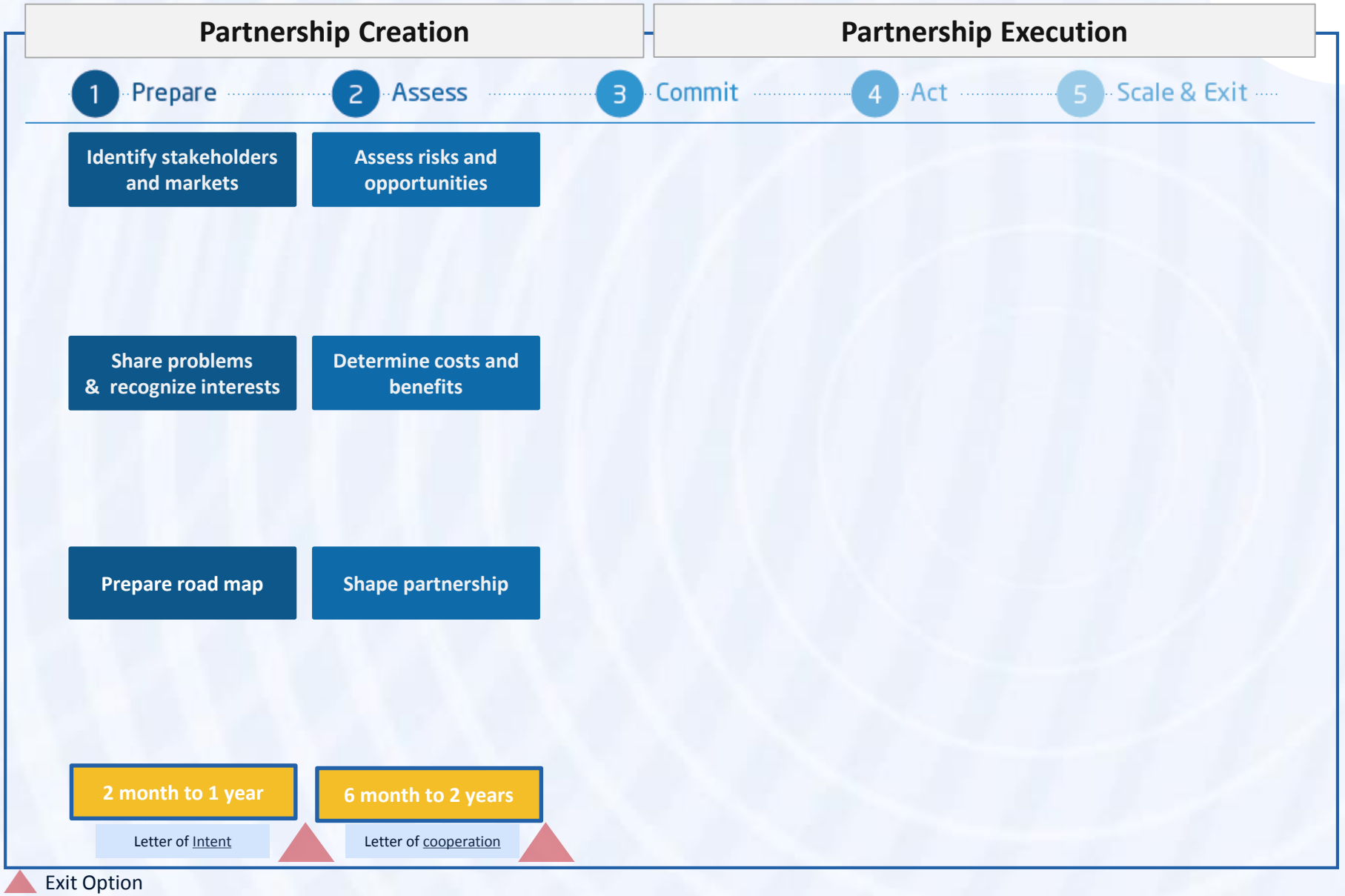
4 Act

IWaSP can strengthen the capacities of all involved parties to implement by providing coaching and advice. Moreover, IWaSP establishes a monitoring process to measure project progress and impacts.

5 Scale & Exit

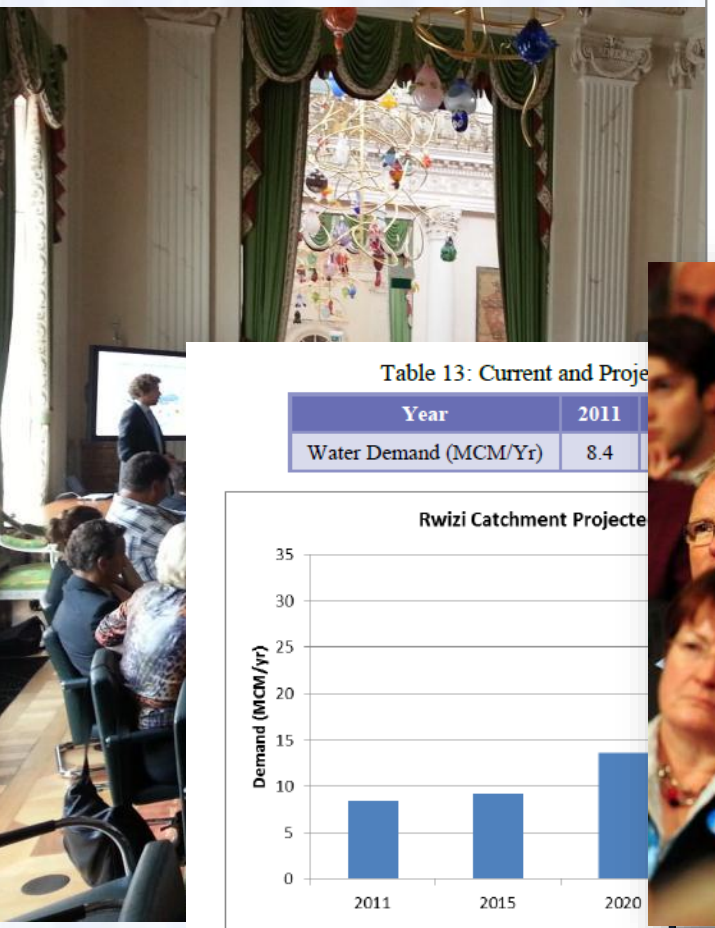
IWaSP empowers local stakeholders to take over and sustain the success of the project, and potentially scale or replicate it in other locations.

IWaSP – Water Risk & Action Framework (WRAF)



3Di Tool

Making complex water risks understandable



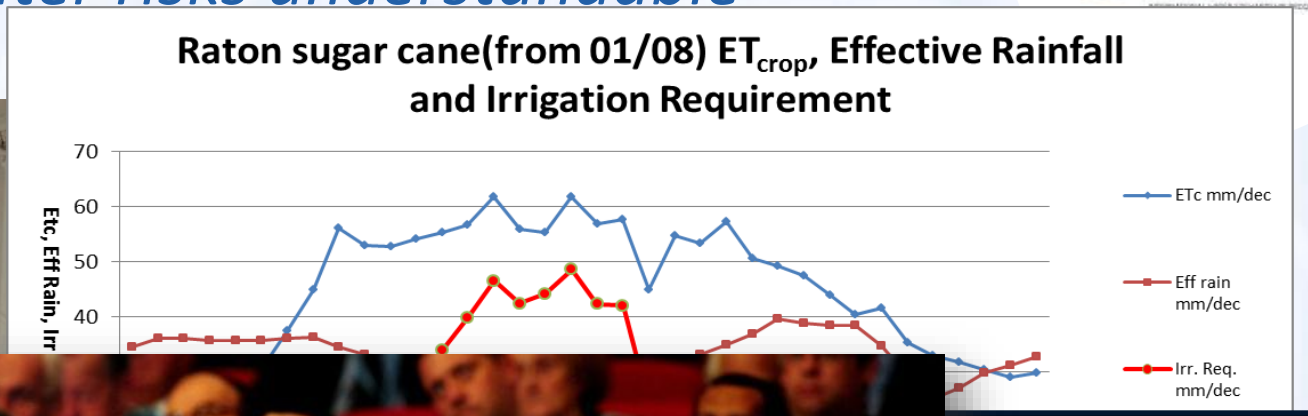


Table 13: Current and Proje

Year	2011
Water Demand (MCM/Yr)	8.4

Figure 46: Domestic water demand projectio

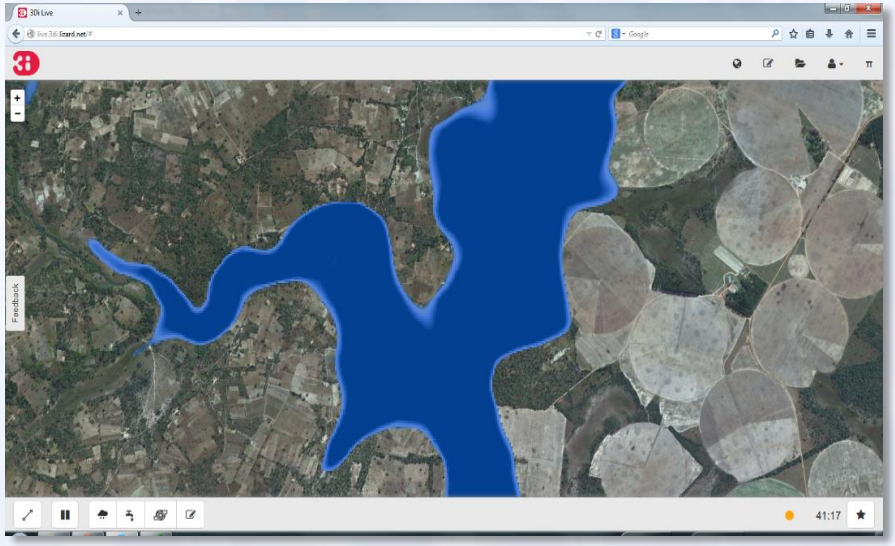
							un hours	Rad MJ/m²/day	ETo mm/day
							4.8	16.1	4.43
							5.2	17.3	4.6
							4.9	17.1	4.27
							5	16.9	3.94
							5.2	16.4	3.51
							4.9	15.4	3.34
							5.9	17	3.5
							5.4	17.1	3.5
							5.8	18.3	3.77
							7	20.1	4.24
							7	19.5	4.22
December	59	53.4	16.6	29.3	72	190	8.2	20.8	4.53
Average	**1308**	**1054.1**	**16.7**	**28.9**	**76**	**182**	**5.8**	**17.7**	**3.99**

3Di Tool

Making complex water risks understandable

A water simulation model to bridge the gap between ‘specialists’ and non-technical decision-makers

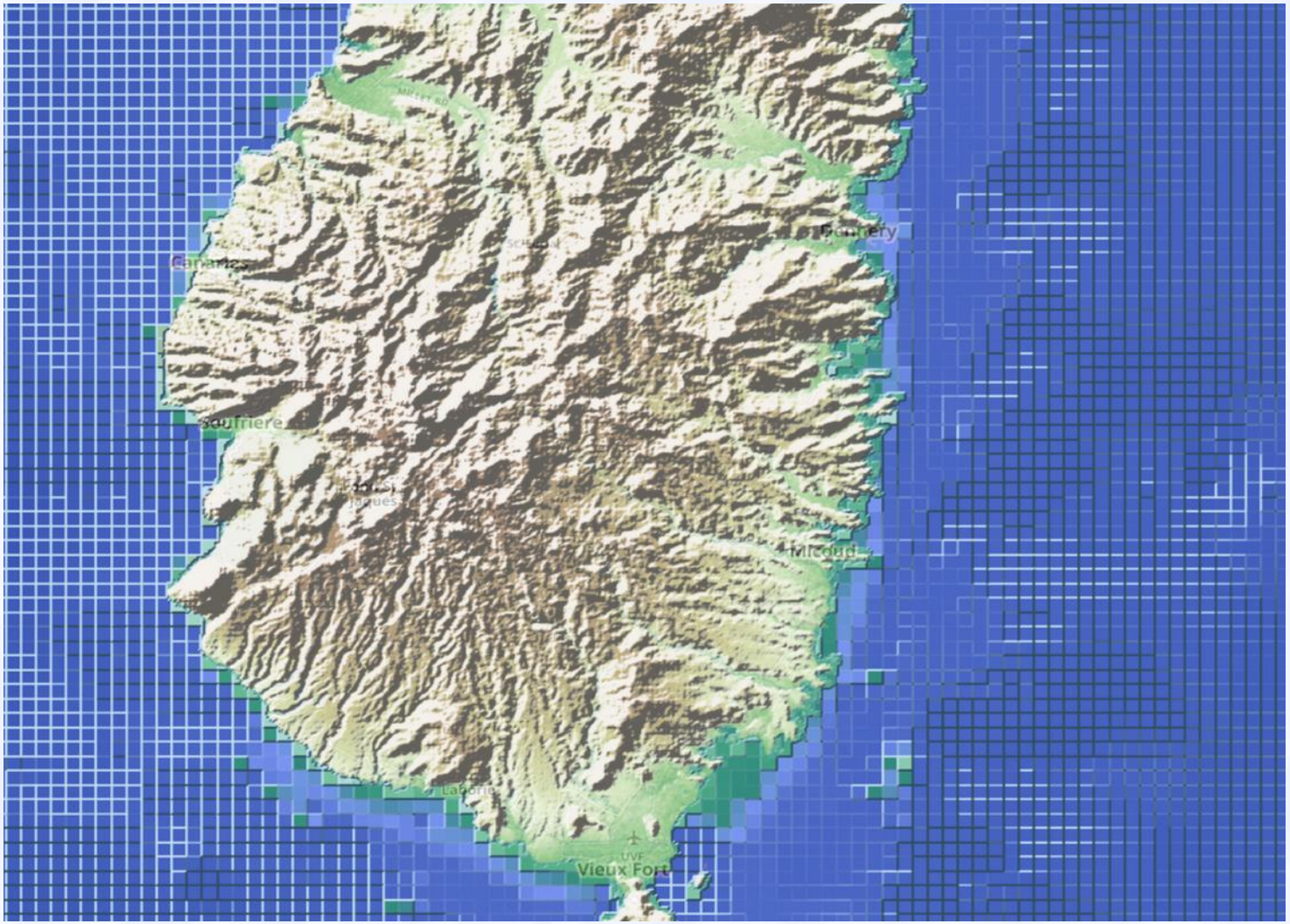
- Visual
- Interactive
- Fast to implement



- Water risks made understandable for all audiences
- Existing knowledge, experience, data come ‘on the table’
- Discover beneficial and sustainable solutions
- Ownership of the problems and solutions

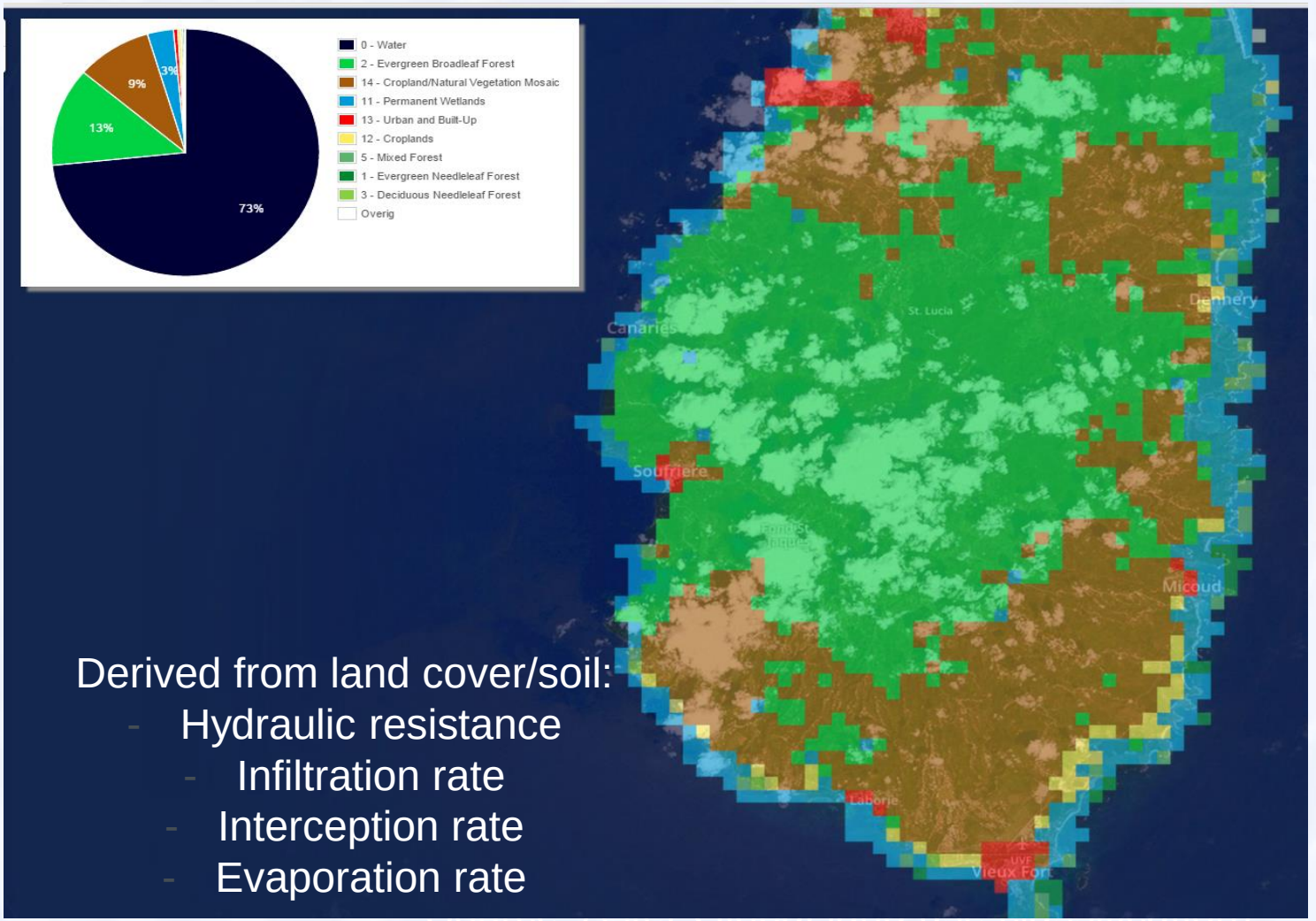
…different models feeding into one interface…

Data input: topography



DEM (SRTM; NASA)

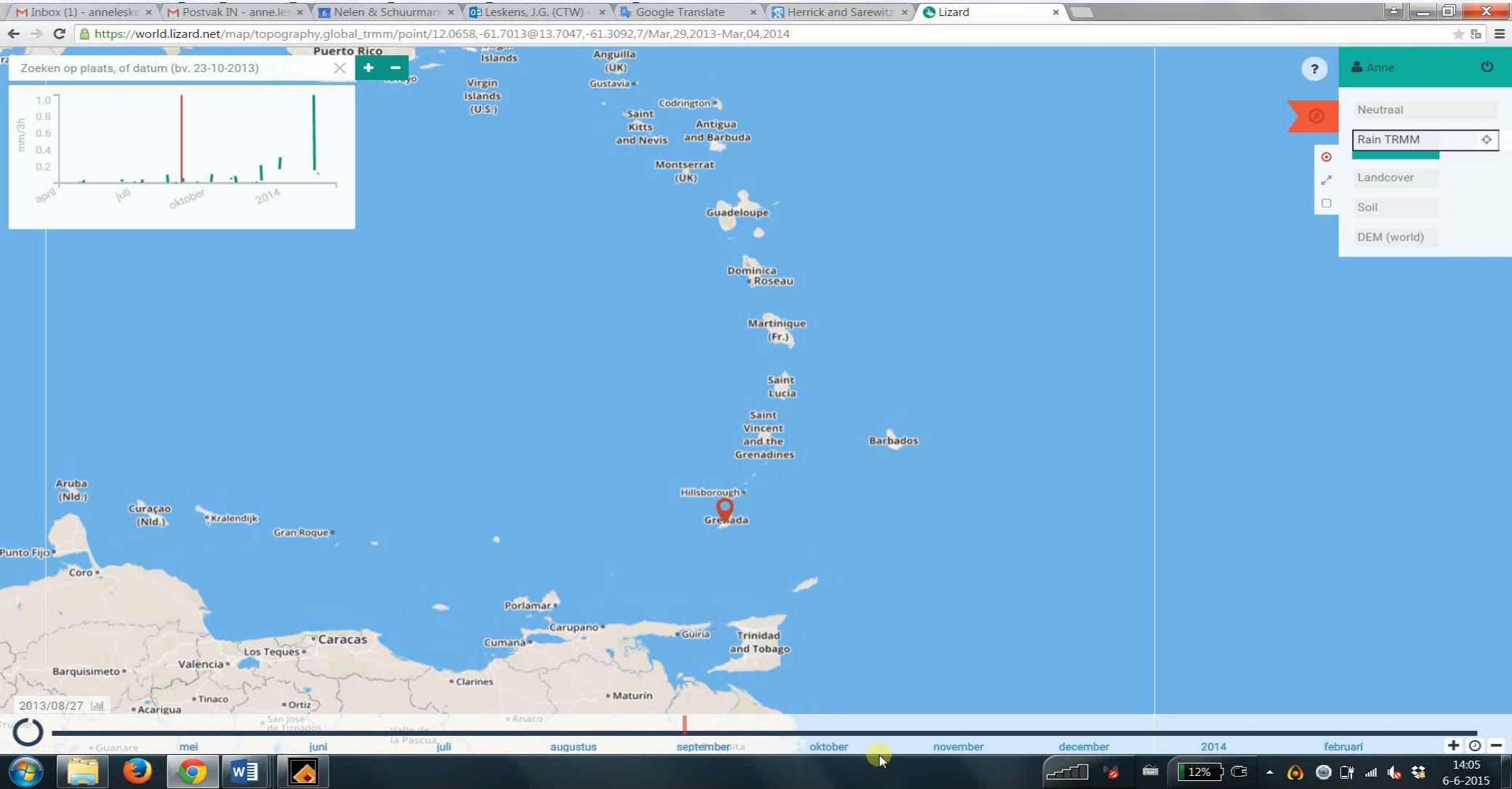
Data input: land cover/soil



Derived from land cover/soil:

- Hydraulic resistance
- Infiltration rate
- Interception rate
- Evaporation rate

Data input: rainfall



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