

Spatiaalinen tieto www-kartoille –
metsäekosysteemien tuhoalttiuden ja
ilmastonmuutosvaikutuksien esitys netissä
(Climforisk EU Life+ -hanke)

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Climforisk

- Climforisk EU Life+ project investigates climate effects on forests

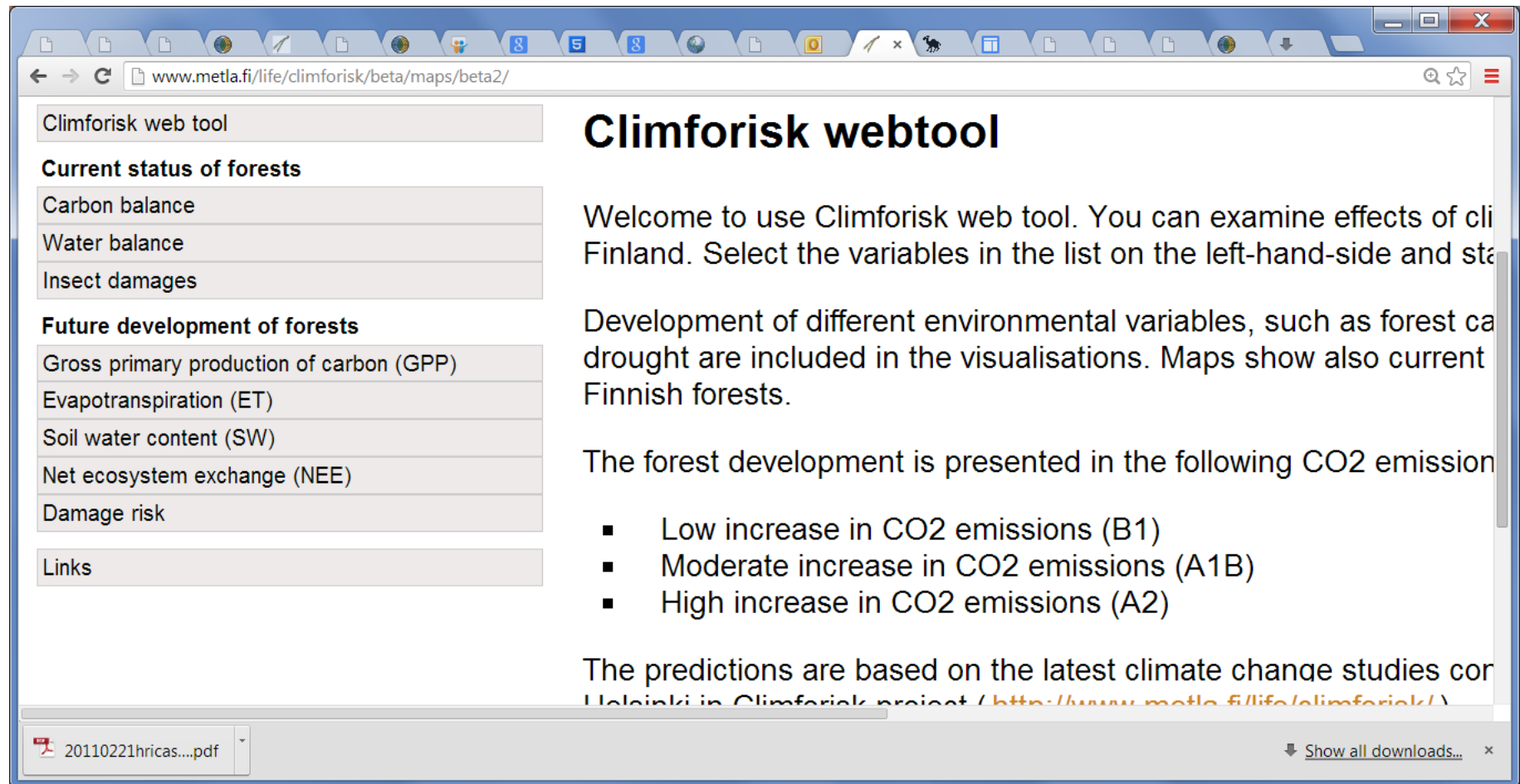
Climforisk

- Climforisk merges several forest related data sources and ecosystem models to predict carbon and water balances of forests, and vulnerabilities of forests to drought, pest and pathogen damages. Project will derive maps and indicators of results that support the decisions of officials and forest managers, and disseminate them to public through Internet.

Climforisk

- Climforisk (2011-2014) is a joint project between Finnish Forest Research Institute (coord.) and Department of Forest Science, University of Helsinki.

Climforisk web tool



The screenshot shows a web browser window with the address bar displaying www.metla.fi/life/climforisk/beta/maps/beta2/. The page title is "Climforisk web tool". On the left side, there is a navigation menu with the following items:

- Climforisk web tool
- Current status of forests**
 - Carbon balance
 - Water balance
 - Insect damages
- Future development of forests**
 - Gross primary production of carbon (GPP)
 - Evapotranspiration (ET)
 - Soil water content (SW)
 - Net ecosystem exchange (NEE)
 - Damage risk
- Links

The main content area has the heading "Climforisk webtool" and the following text:

Welcome to use Climforisk web tool. You can examine effects of climate change on Finnish forests. Select the variables in the list on the left-hand-side and start the visualisation.

Development of different environmental variables, such as forest carbon balance, drought are included in the visualisations. Maps show also current status of Finnish forests.

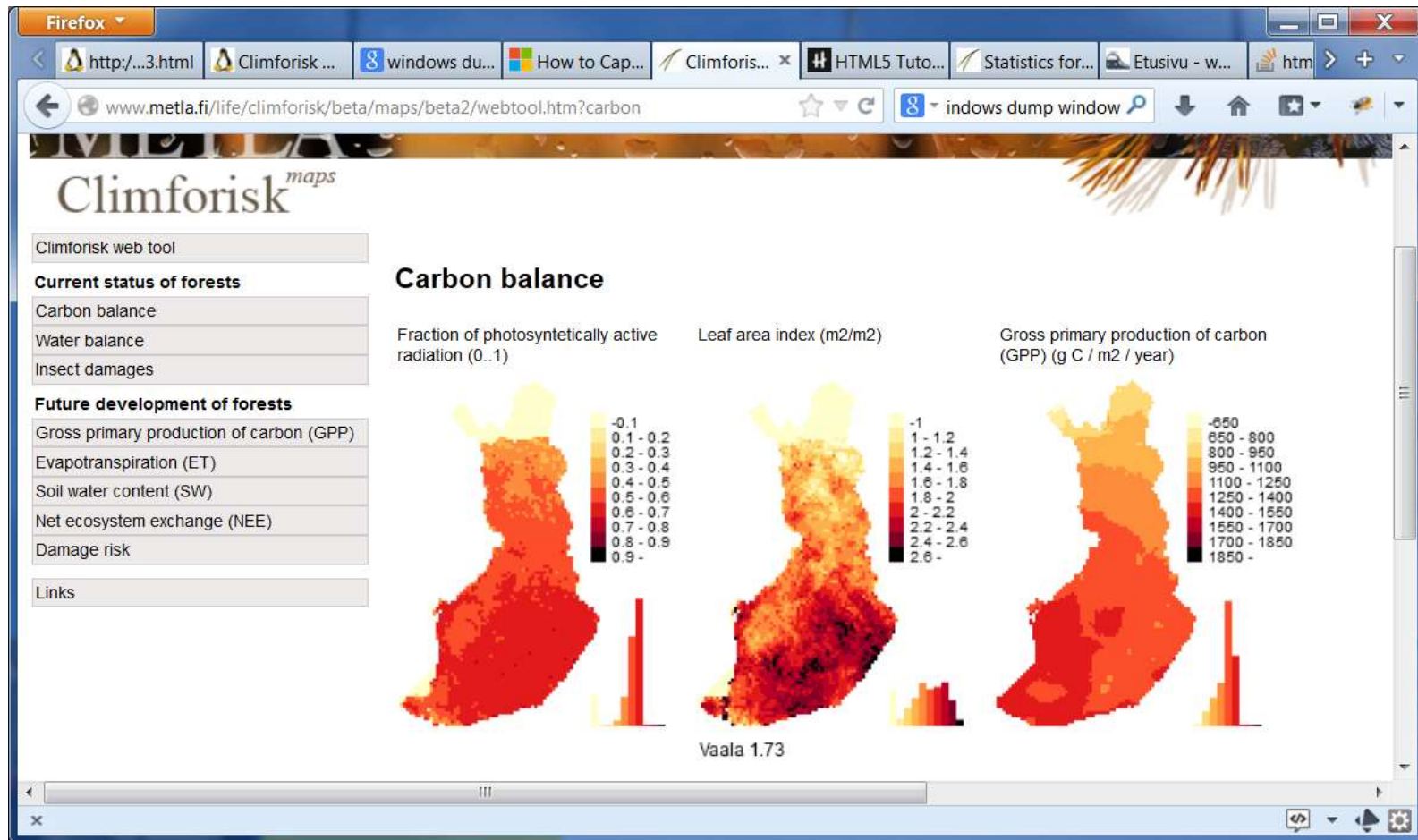
The forest development is presented in the following CO2 emission scenarios:

- Low increase in CO2 emissions (B1)
- Moderate increase in CO2 emissions (A1B)
- High increase in CO2 emissions (A2)

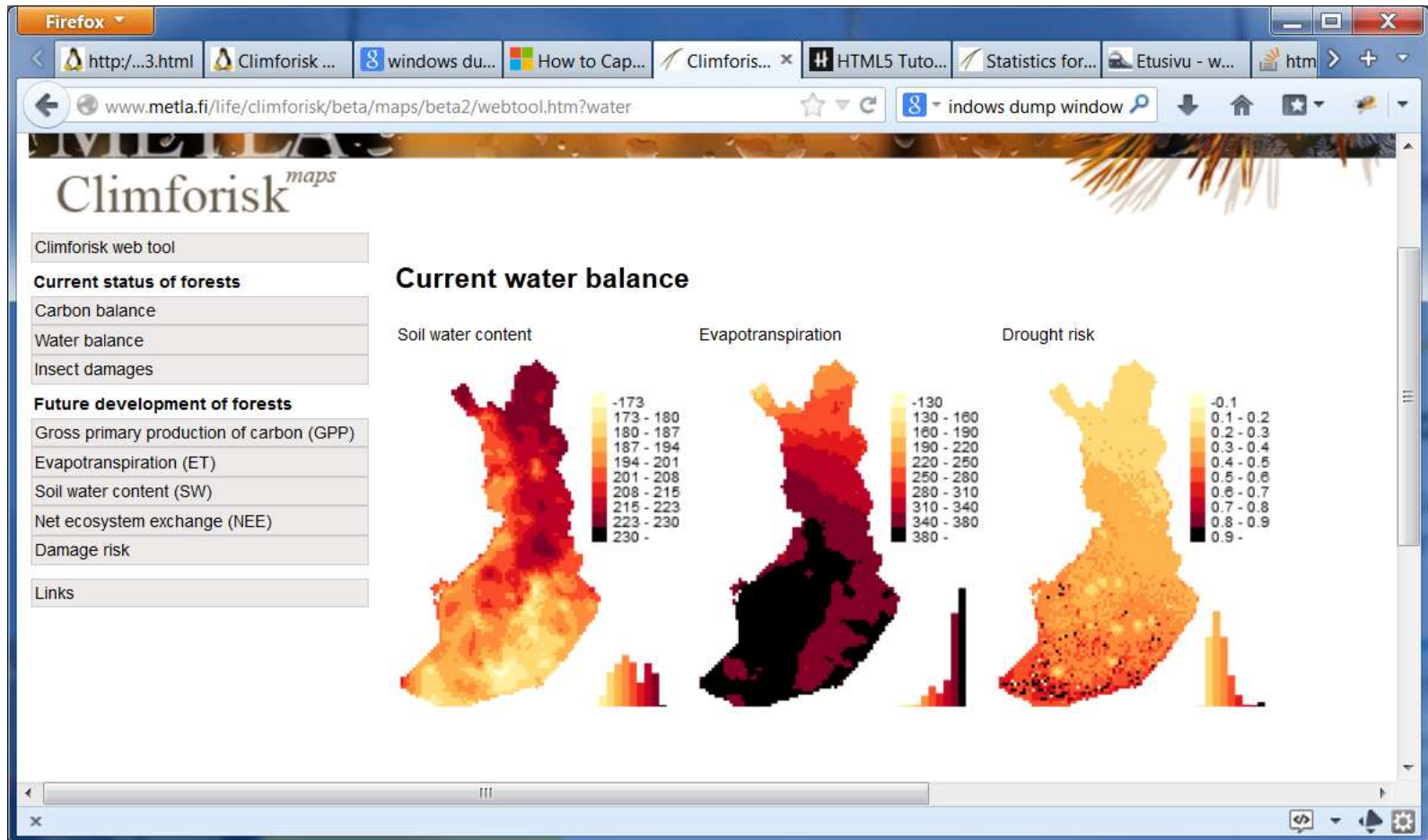
The predictions are based on the latest climate change studies conducted by the Helsinki University of Applied Sciences in the Climforisk project (<http://www.metla.fi/life/climforisk/>).

At the bottom of the browser window, there is a download bar showing a file named "20110221hricas....pdf" and a button labeled "Show all downloads...".

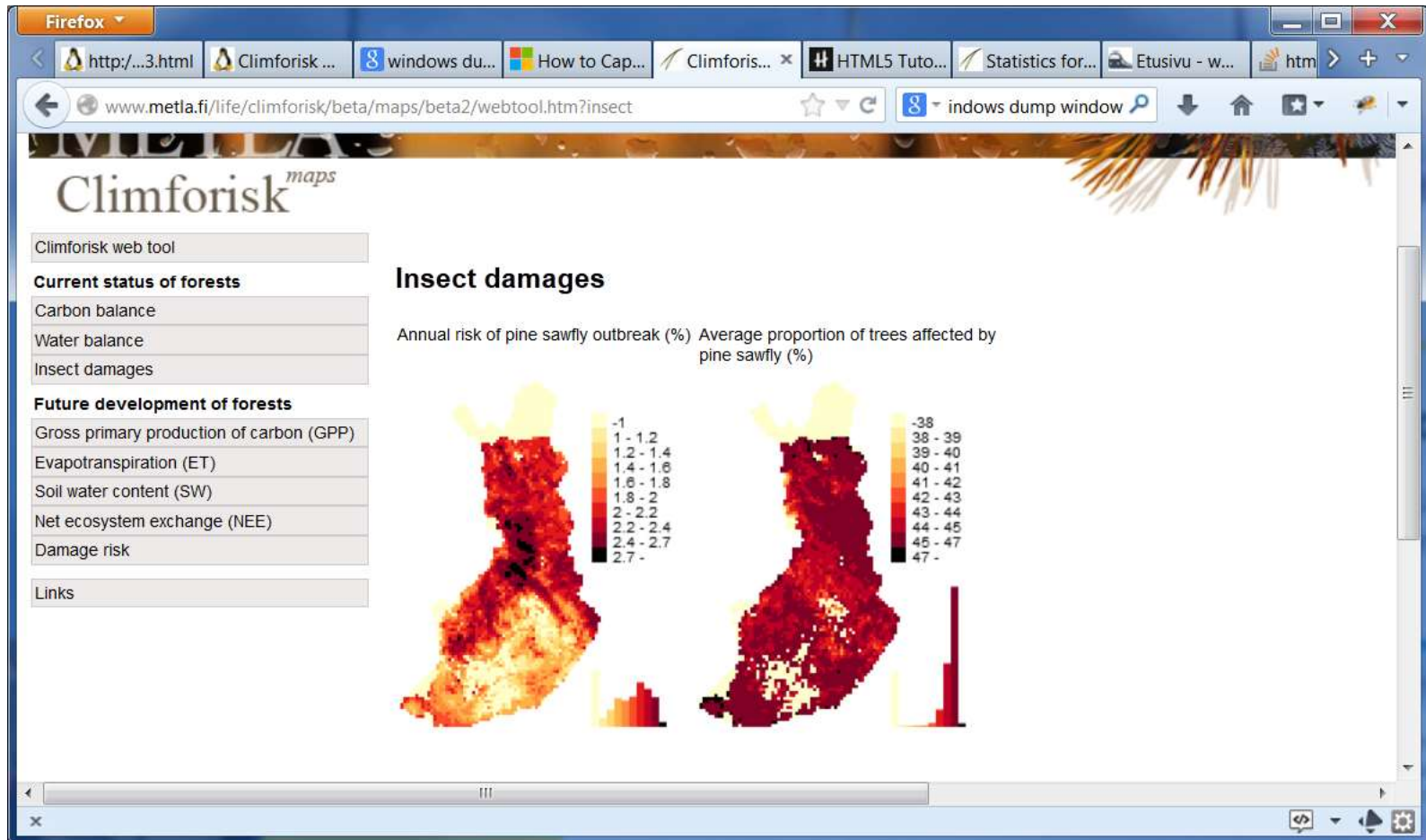
Current status of forests, 1



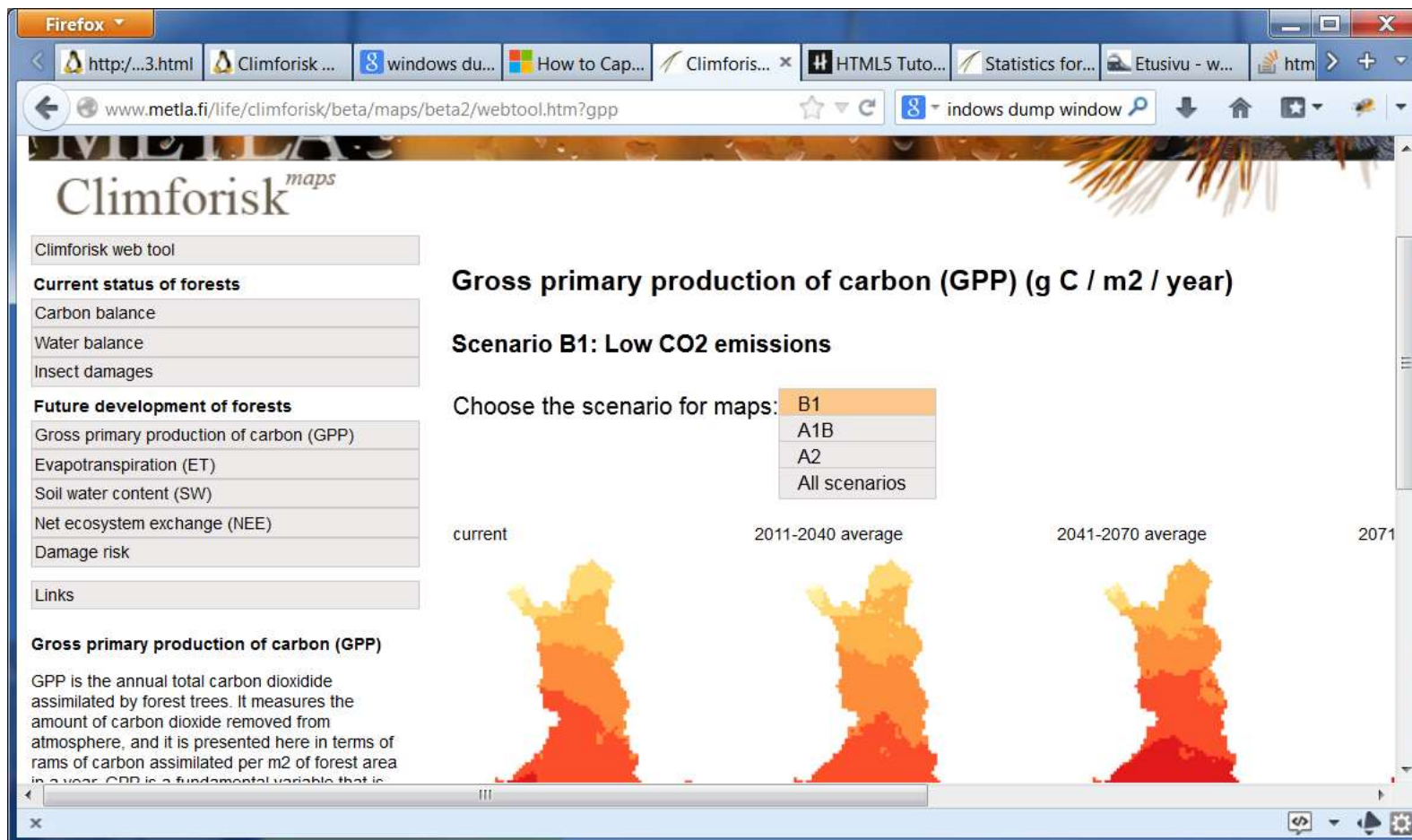
Current status of forests, 2



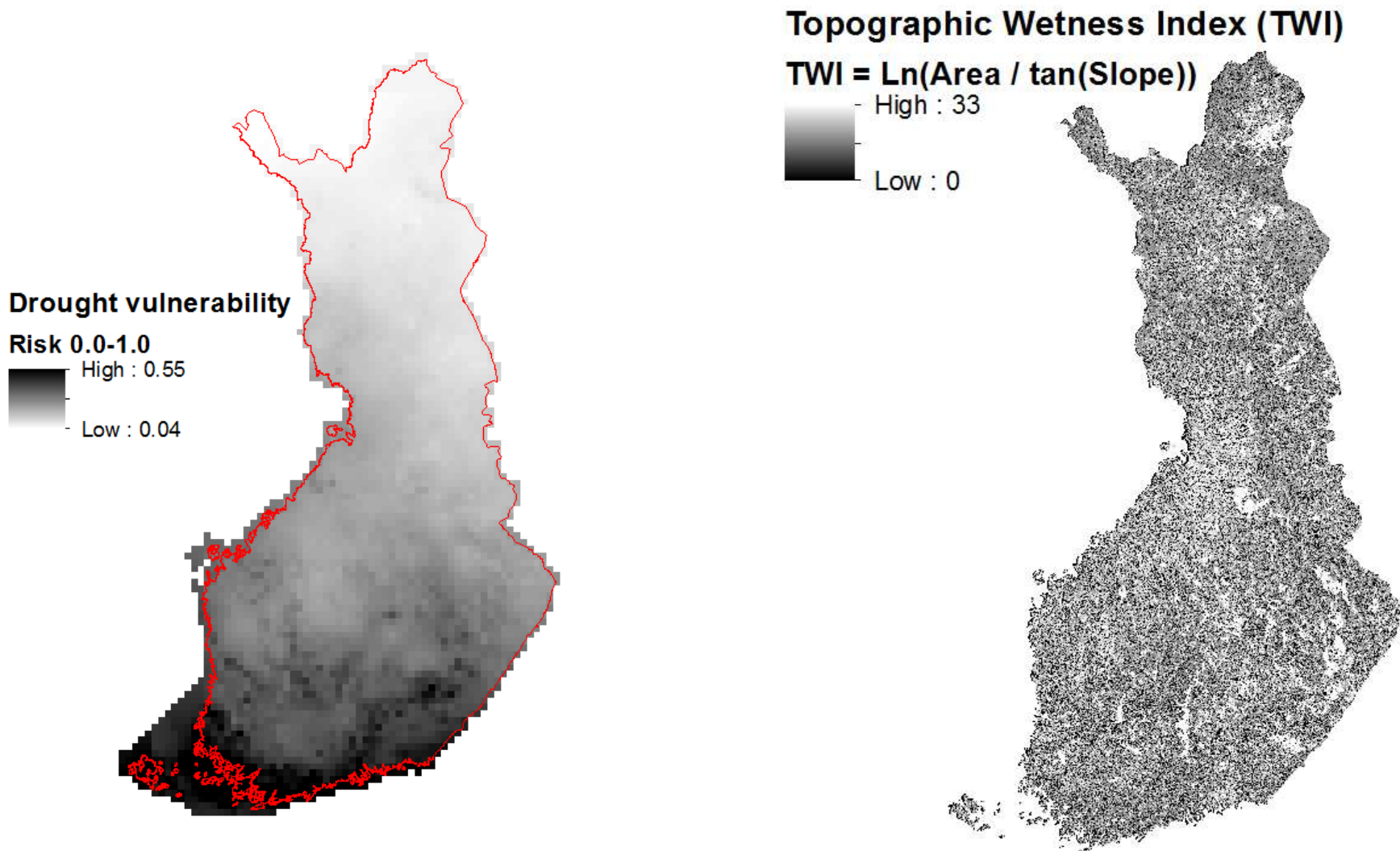
Current status of forests, 3



Future development of forests



Drought risk



Demoversio

- Dataa puuttuu muutamien otsikoiden takaa
- Tilaa esittää vaikeita asioita ymmärrettävästi mutta tiiviisti on vähän. Viilaus kestää...
- Osoite:
 - <http://www.metla.fi/life/climforisk/beta/maps/beta/>

Further plans

- Develop further presentations of uncertainty
- Addition of graphs, animations?
- Differences between various models as error bars
- Pest vulnerability maps, forecasts
 - Near future section

metsä

METLA

TIETO

hyvinvointi

osaaminen

Kiitos