



**Royal Netherlands** Meteorological Institute Ministry of Infrastructure and the Environment

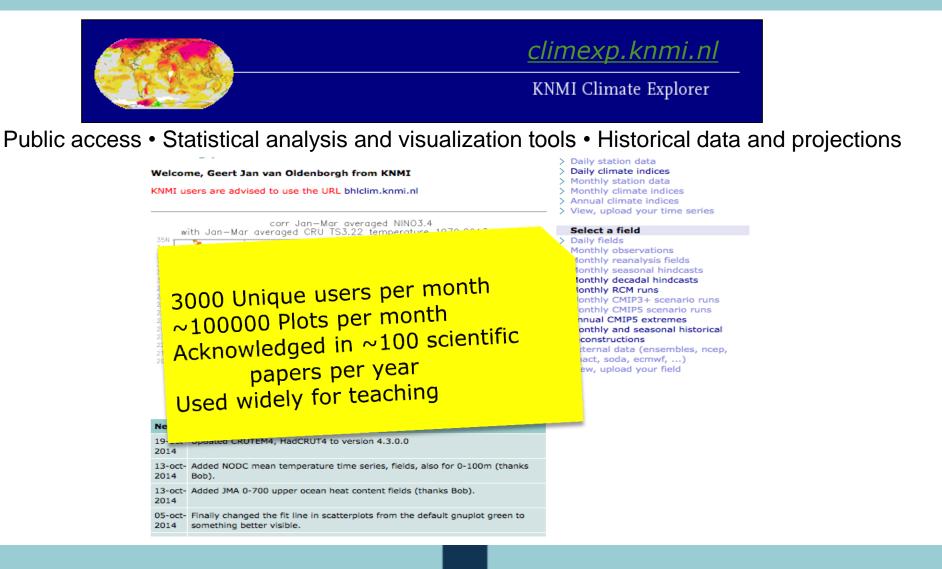
#### **KNMI** Climate Explorer and the **International Climate Assessment** & dataset (ICA&D)

Gé Verver Geert Jan van Oldenborgh

KNMI, The Netherlands

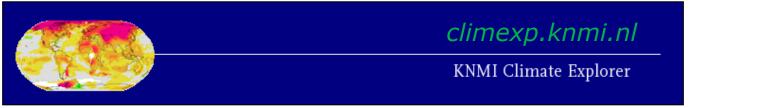
UNFCCC/SBSTA Research Dialogue, Bonn, 4 June 2015

## KNMI Climate Explorer – assessment tools & data

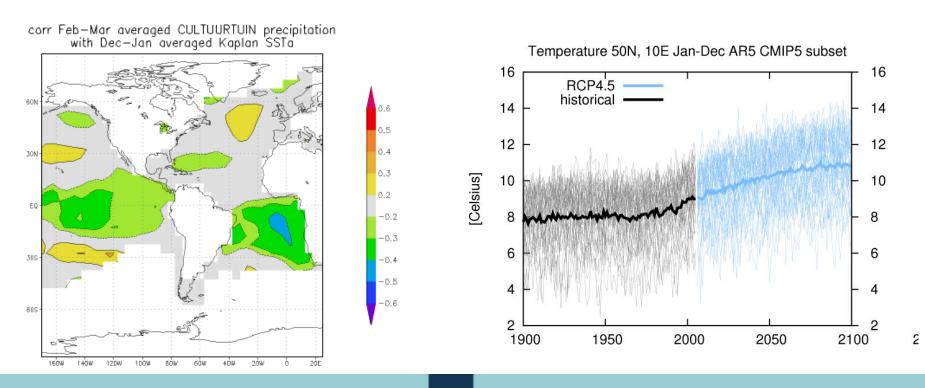




# KNMI Climate Explorer – assessment tools & data



Public access • Statistical analysis and visualization tools • Historical data and projections



Example 1: correlation precipitation in Paramaribo (Suriname) vs SST



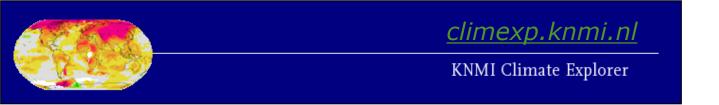
Example 2: Yearly average temperature

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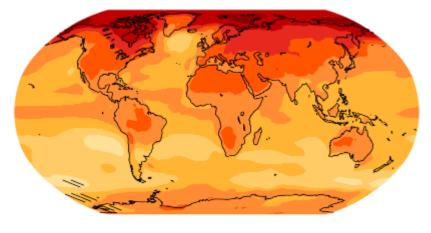
#### Demonstration of the KNMI Climate Explorer http://climexp.knmi.nl/

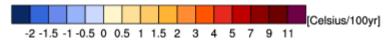


# KNMI Climate Explorer – assessment tools & data

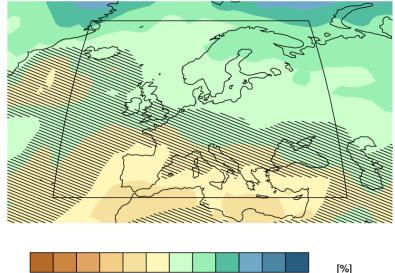


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mean rcp45 relative precipitation 2081-2100 minus 1986-2005 Jan-Dec AR5 CMIP5 subset



-40 -30 -20 -10

Example 3: 1979-2014 trend in Example 4: C Yearly average temperature (CMIP5)

Example 4: Change yearly precipitation

30

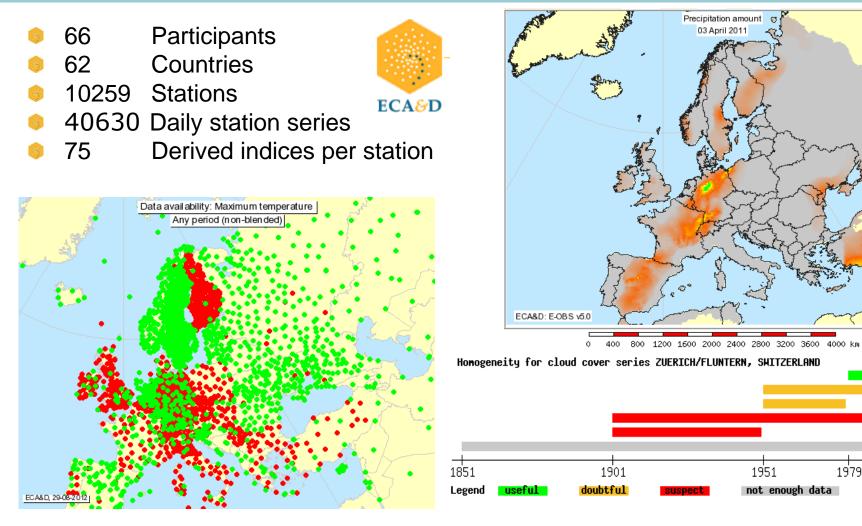
40 50

10 20

0

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## International Climate Assessment & dataset (ICA&D)



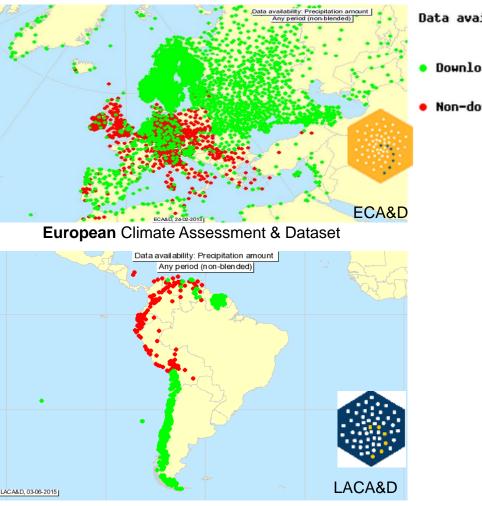
ECA&D is the backbone of the WMO RA-VI RCC on Climate Data



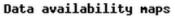
www.ecad.eu

2010

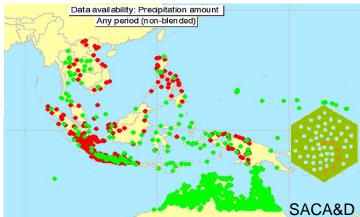
## International Climate Assessment & datasets (ICA&D)



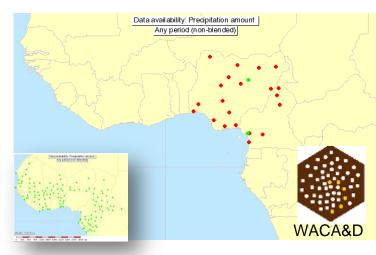
Latin American Climate Assessment & Dataset



- Downloadable data
- Non-downloadable data



Southeast Asian Climate Assessment & Dataset



West African Climate Assessment & Dataset



# Thank you...



Example: improved precipitation data for water management in Jakarta Jakarta flooding in February 2007

