Team VisualWizards

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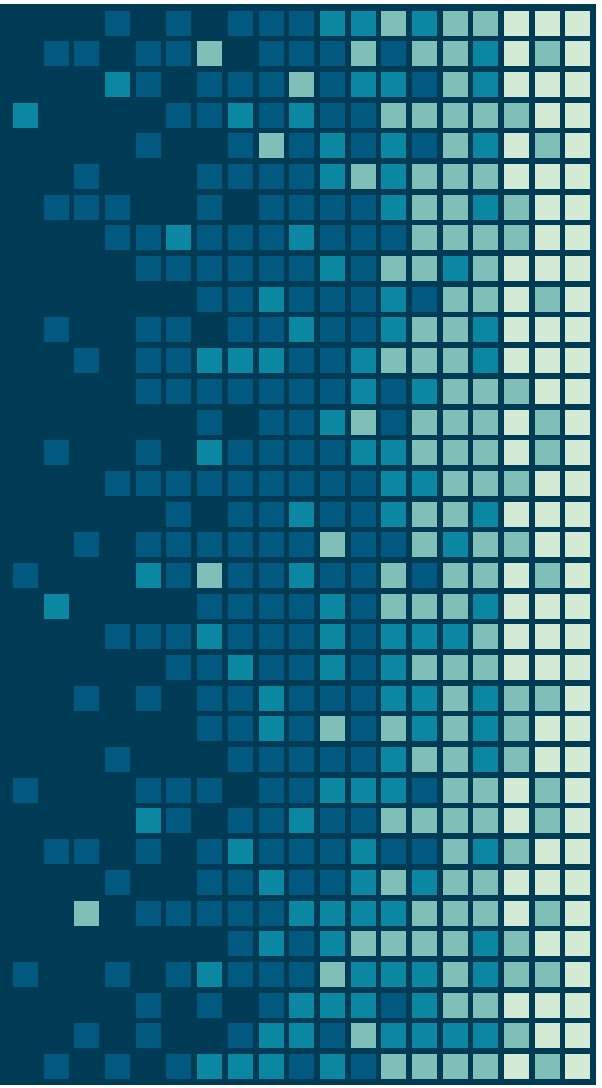
Science Hack 2019

hosted by
TUM: Junge Akademie



The challenge

Big Data analysis for visualizing GHG emissions

Professorship of Environmental Sensing and Modeling
TUM Department of Electrical and Computer Engineering
Technical University of Munich

The goal

- Understand bottom-up emission approaches
- Intuitively compare with measurements

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1,402,855,200

Datapoints in the inventories used

Our tasks

Display

The emission data on a dynamic world map

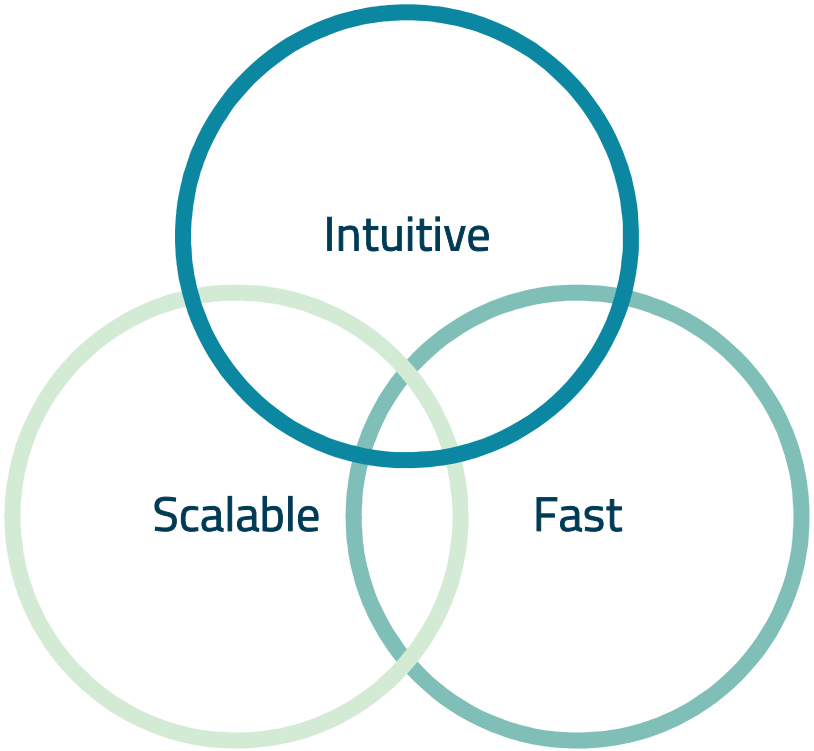
Select

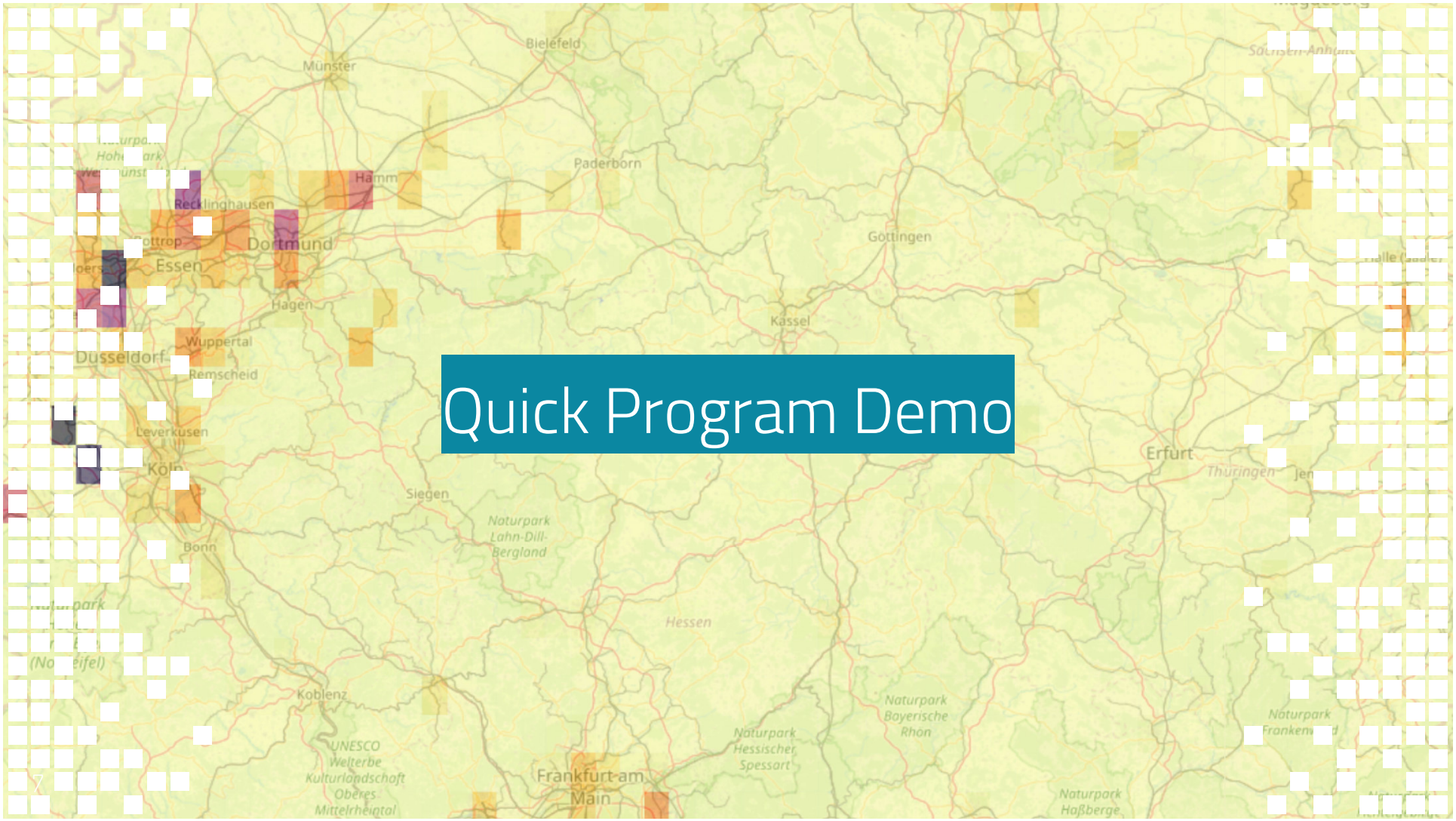
Inventories, time points, specific areas and comparisons

Export

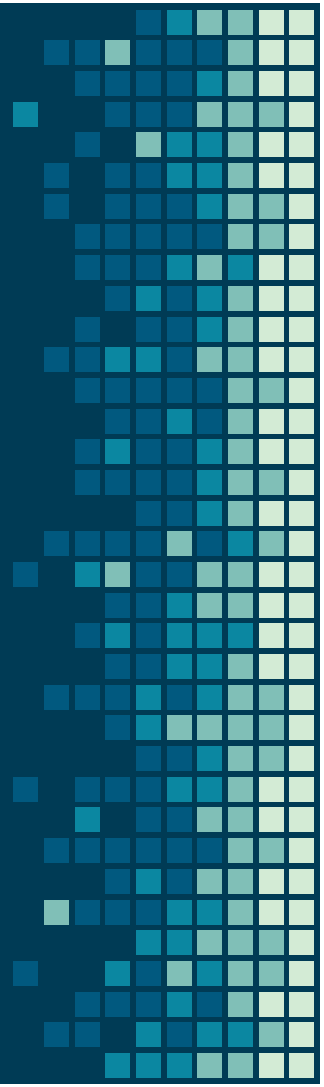
Emission data and comparisons into CVS files

Our vision




Quick Program Demo
Bielefeld
Münster
Paderborn
Hamm
Recklinghausen
Dortmund
Essen
Hagen
Wuppertal
Remscheid
Düsseldorf
Leverkusen
Köln
Bonn
Siegen
Naturpark Lahn-Dill-Bergland
Hessen
Koblenz
UNESCO Welterbe Kulturlandschaft Oberes Mittelrheintal
Frankfurt am Main
Naturpark Hessischer Spessart
Naturpark Bayerische Rhön
Naturpark Haßberge
Kassel
Göttingen
Erfurt
Thüringen

Suggested future development

Thank you!

Any questions?