”The GEO Life Region”

Creating the tools for the Healthy and Wellbeing Life

GEO LIFE REGION

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Future Position X

- ✓ Founded in 2006 as a non-profit cluster organization
- ✓ The Swedish GEO industry cluster organisation; Government supported member organisation
- ✓ Coordinates the Geo Life Region program
  - ✓ Approved and funded 2013 by Vinnova, the Swedish National Agency for Innovation
  - ✓ Ten year program combining the areas of geographic and public health

We enable companies and organizations to develop new products and services and to expand to new markets and to create regional growth.

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ISSC

Sensing City

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ISSC

GEO LIFE REGION

early warning surveillance system

European Comission
Seventh Framework Programme (FP7)

- Karolinska Institutet, Stockholm, Sweden
- Huazhong University of Science and Technology, Wuhan, China
- Fudan University, Shanghai, China
- Universitätsklinikum Heidelberg, Germany
- Future Position X, Gävle, Sweden

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Surveillance sites in China

- Hubei province
- Jiangxi province
- Approx 10 Million people, rural areas
- 100 pharmacies
- 80 schools
- 150 health stations
- Total 800 reporting units/ day

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Major advances of the solution

Improving the timeliness of report;

Improving the completeness and accuracy of surveillance data;

Improving the ability of outbreak early detection

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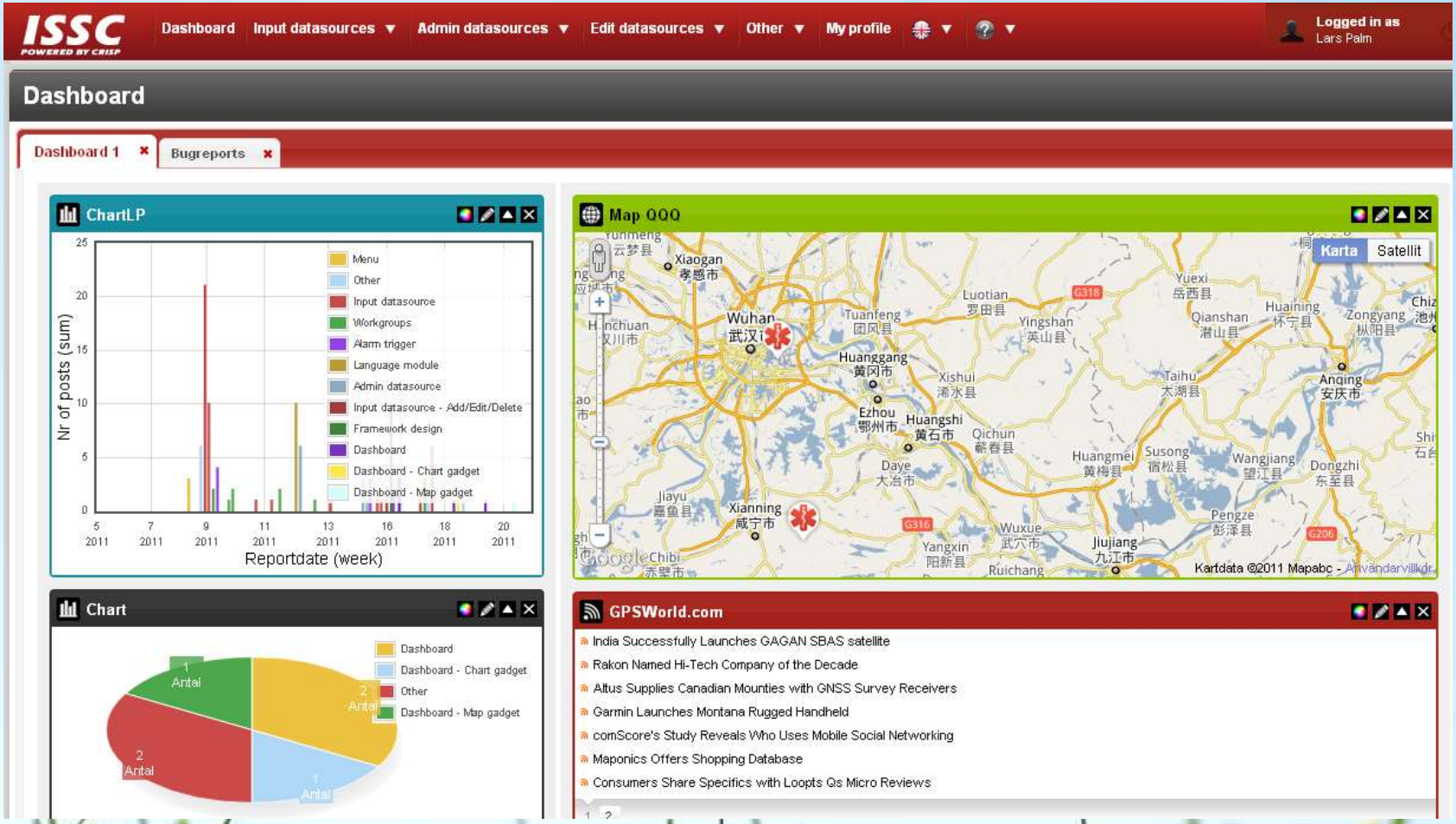

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Sensing City

real-time monitoring of health of individuals with voluntary sharing of data from Smart Inhalers and Sensing City Infrastructure

CRC-SI

University of Canterbury

Western Australian Gouvernment

Land Information New Zealand

Geo Health Laboratory NZ

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Studies

- New Zeeland study
  60 COPD patients

- Gävle study
  30 COPD patients

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Result

- Repeatable model for patient monitoring
- Plug-In algorithms for early indication of COPD events
- Novel Spatio-temporal models
- New aggregated data set
- Commercial consultation opportunities

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Thank you!

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