



Prof. Andrii Shelestov, SRI NASU-SSAU, Ukraine

URBAN GROWTH SESSION OVERVIEW

9TH OCTOBER, 16¹⁵-18⁰⁰



Dissemination – milestones of 2018



Cooperation agreement between Kyiv City State Administration, Kyiv Smart City Hub and SRI NASU-SSAU, 21.02.2018



Air quality workshop organized by SRI NASU-SSAU in cooperation with Kyiv Smart city Hub, 26.04.2018



Dissemination – milestones of 2018



GEO-UA 2018 with special session for **SMURBS**
Hosted by **SRI NASU-SSAU**, 18-19 of September, 2018
<http://geoss-conf-2018.ikd.kiev.ua/en/>



Other activities

- Publication on **Air Quality in Special Issue Int. Journal of Digital Earth** (submitted)



Essential Variables on Air Quality Estimation within ERA-PLANET Project

Journal:	International Journal of Digital Earth
Manuscript ID:	Draft
Manuscript Type:	Special Issue Paper
Keywords:	PM2.5, air quality, Remote sensing, essential variable, ERA-PLANET

SCHOLARONE™
Manuscripts

- **Cooperation:**

- Participation in series of workshops (Kyiv Smart City Hub)

- ecological workshop [27/09/18, <https://goo.gl/h3Ft1S>]
- water resource resolution [06/09/18, <https://goo.gl/DvbwwM>]
- water workshop [09/08/18, <https://goo.gl/Y4XJBj>]

- **Conferences**

- ICDSIAI'2018, IGARSS 2018, EGU 2018



Agenda of Urban Growth Session

#	Topic	Participant	Affiliation
1	Session introduction	Andrii Shelestov	SRI NASU-SSAU
2	Specific VHR solutions	Ines Marinosci	ISPRA
3	Urban Growth monitoring	Ines Marinosci	ISPRA
4	Kyiv Urban Atlas	Andrii Kolotii	SRI NASU-SSAU
5	Global Human Settlement Layer (GHSL) validation	Andrii Kolotii	SRI NASU-SSAU
6	Urban land cover	Ines Marinosci	ISPRA
7	EXTREMA	Iphigenia Keramitsoglou	NOA
8	Migration within the Urban Growth	Palma Blonda	CNR
9	Discussion, Open Questions (Migration, Dashboard, List of UG indicators)	All	All
10	Session wrap-up	Andrii Shelestov	SRI NASU-SSAU



Urban Growth Precursors by Participants



Open discussion

- UG Metrics selection, service description refinements
- Discussion of migration ther **dkan**



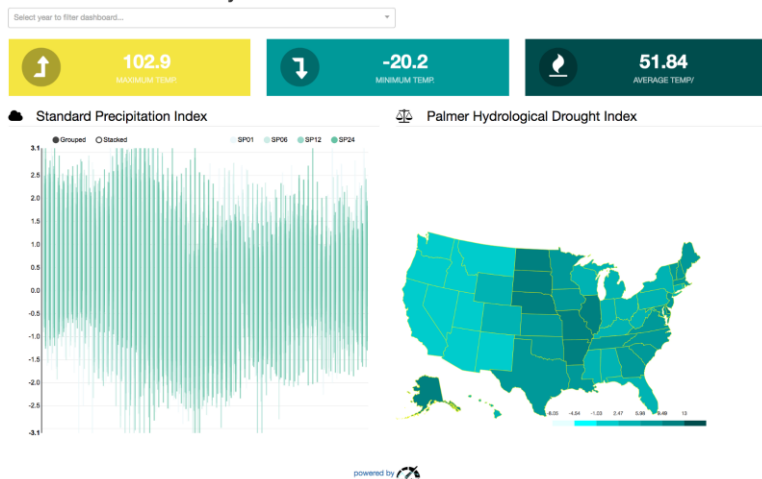
- **Dashboard selection** – DKAN (GEO-Essential) – [<https://www.drupal.org/project/dkan>]
- Own resources per city
- **DIAS** (can we get an access?)

Info: <https://www.fldrupal.camp/sites/default/files/slides/2015/DKAN%20deck.pdf>



Service Dashboard

Select Climate Indices by Year



- Charting and Graphing **30 countries**
- Maps **35 cities**
- User filters to interact with data
- Custom layouts with Bootstrap responsive grid
- Metric and Goal components for visually compelling presentations of simple statistics
- Data support up-to 10 Gb

“ready-to-use” tool “that will help agencies jump-start their open efforts”

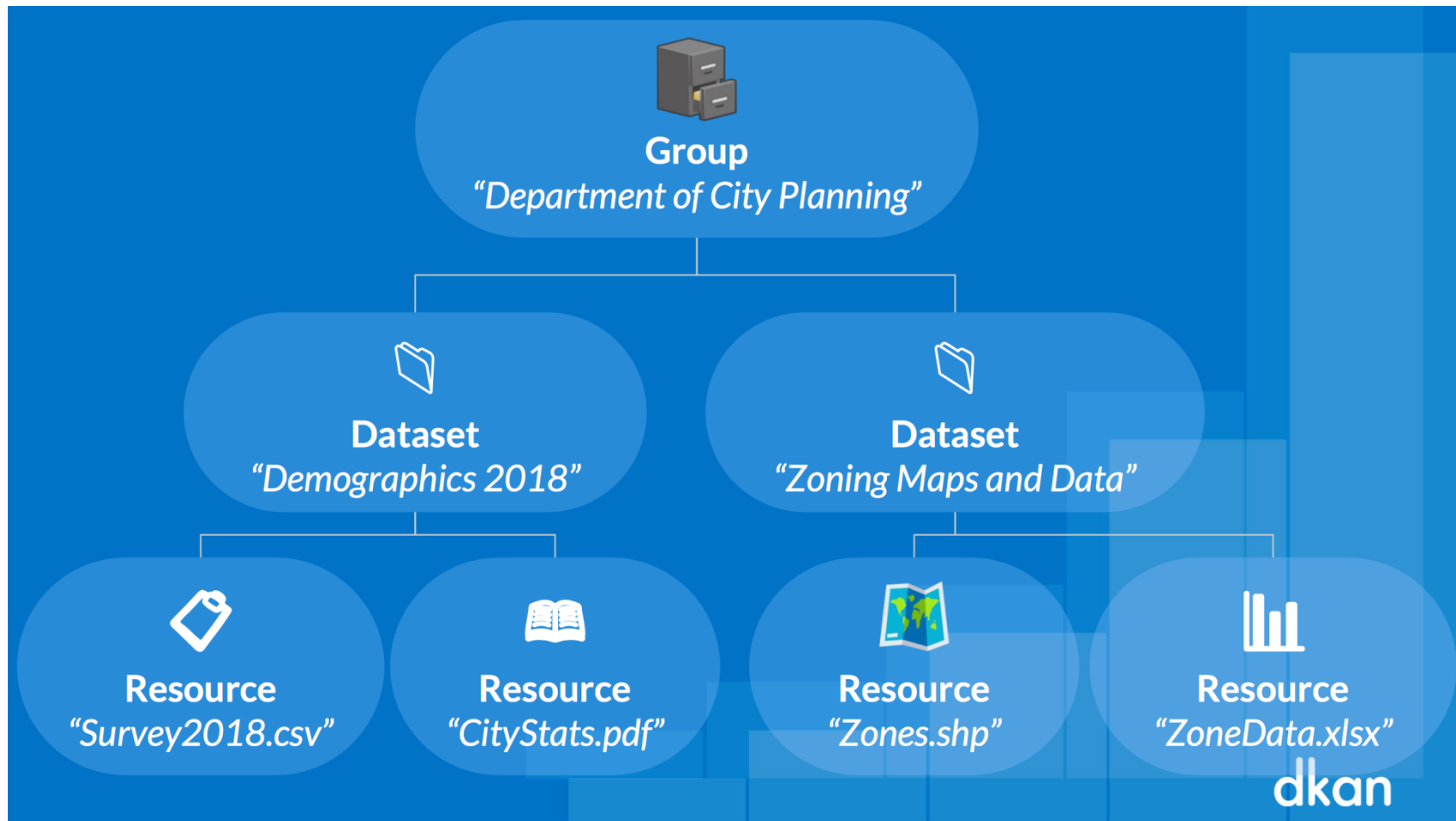
“real, implementable solution developed to significantly reduce the barrier to implementing open data at your ag

Who is DKAN for?

- **City, state or local government agencies** that would like to share information
- **Non-profits, NGOs or universities** that are also interested in opening up their data
- **Citizens, researchers, students and journalists** who wish to access public data and make use of it



DKAN Data organization



Metadata is the *who, what, when, where, and why* of data

