ISSUES TO BE CONSIDERED
– WGGI’S WAY AHEAD

Stephan Arnold [Statistisches Bundesamt]

*Fifth meeting of IAEG SDG Working Group on Geospatial Information*
Content

Dilemma of classification

Citizen Generated Data, Ground Truth

Issues to be further developed

Outlook
Complex Landscape Situations

- Natural lake or Reservoir?
- Forest or just Group of trees?
- Natural Grassland or Pasture?
Complex Landscape Situations

Green „urban“ area, or Shrubland?
Complex Landscape Situations

Industrial building, heathland on roof
Complex Landscape Situations

Broadleaved forest or Wetland type
Complex Landscape Situations

Grassland or Skying pist
Complex Landscape Situations

energy production or pasture land?
Dilemma of classification

Bringing objects into order ...

by colour [LC]:

by shape [LU]:

Statistisches Bundesamt (Destatis)
Dilemma of classification

Remaining information after classifying...

- on colour [LC] only!
- on shape [LU] only!
Dilemma of classification

Mix of object information ...

after classification system A

after another classification system B
Dilemma of classification
Comparison or transformation of information not possible between incomplete and mixed nomenclatures
Dilemma of classification
Descriptive characterization needed for complete of information on both colour [LC] and shape [LU]
Object-oriented EAGLE data model for LC/LU

![Diagram showing the object-oriented EAGLE data model for LC/LU](image)
Citizen Generated Data

» Adventurescientists: Global Microplastics Initiative

» EEA: Marine Litter Watch

Citizen Generating Data Platform: Geo-Wiki

Get involved now!
Participate in these ongoing projects and join the citizen science movement to help us address global land cover issues.

Picture Pile
Sort pictures and win great prizes! You can help us tackle global issues like deforestation.

Picture Paint
Paint pictures and win great prizes! You can help us tackle global issues like deforestation.

FotoQuest Go
Join FotoQuest Go and explore the outdoors! Help us monitor changes in land use and land cover.

Geo-Wiki pictures
Capture different landscapes using your smartphone and share with others through Geo-Wiki.
Citizen Generated Data: Global Microplastics Initiative

Source: www.adventurescientists.org
Citizen Generated Data: Global Microplastics Initiative

Source: www.adventurescientists.org
Citizen Generated Data: EEA Marine Litter Watch

New mobile phone app will help track marine litter

People will soon be able to report the litter they find on the beach, thanks to a new mobile phone app developed by the European Environment Agency (EEA).

Citizen Generated Data: EEA Marine Litter Watch

- join or create a community
- community sets up a beach and an event
- carry out a survey
- use and share the information
- community controls the data quality
- database

Citizen Generated Data: EEA Marine Litter Watch


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Issues to be further developed

» Communication:
  » Enhance knowledge about WGCI as think tank and initiative to collect good practices
  » Vertical communication underneath overarching organisations (e.g. GEO) top-down/bottom-up to spread knowledge about ongoing project relevant for SDG monitoring

» Capacity building: Linkage to expert event calendars

» Tools to be used for indicator measurement: open source versus proprietary software
Issues to be further developed

» Digitalization of data:
  » Only digital data can be processed as geospatial data

» Geocoding of locations:
  » Essential issue of creating geocoded addresses within countries (out of WGGI scope?)
Summary and Outlook

» Usage of harmonized definitions of themes (LC/LU) for comparable data
» Reach out for Citizen Science Community
Thank you!

Stephan Arnold
Telefon: 0228 / 99 643 - 8612
Stephan.Arnold@destatis.de
www.destatis.de