

An aerial photograph of Amsterdam, Netherlands, during a golden sunset. The sun is low on the horizon, casting a warm glow over the city's dense architecture, including numerous red-brick buildings and prominent church spires. The sky is a mix of blue and orange. In the foreground, a busy street with yellow buses and cars is visible, along with a canal.

GIM

INTERNATIONAL

**Geomatics professionals: reaching out
to the outside world!**



FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference



FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Welcome!

- Geomares Publishing
- GIM International / Geo-matching.com
- No science, but journalism & media
- Thanks to Racurs!





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Why?

- Rapid change of the field over the last 10 yrs
- Need to look forward, develop strategy
- Technology is great, but do we keep it in our own hands?
- If something, what is taking over from land surveying as core field of application?
- Sources: GIM Summit & Survey GIM Intl'



FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

About the GIM Summit

- 10-12 February 2016 Amsterdam
- Members of the international geospatial community engaged with experts from other domains
- Looking ‘from the outside in’
- Global Challenges
- Focus on Future Development





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Land Administration

- Fit-for-purpose mindset
- Time, cost and quality constraints must drive data capture, design and implementation





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Food Security

- Acces for actors to right location information at the right time
- Ability to visualise, monitor and adapt food strategies
- Usage cloud, crowd and apps





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Urban Environments

- Location information needs to guide plan-making
- Design and visualisation!
- Top-down to bottom-up





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Climate Change

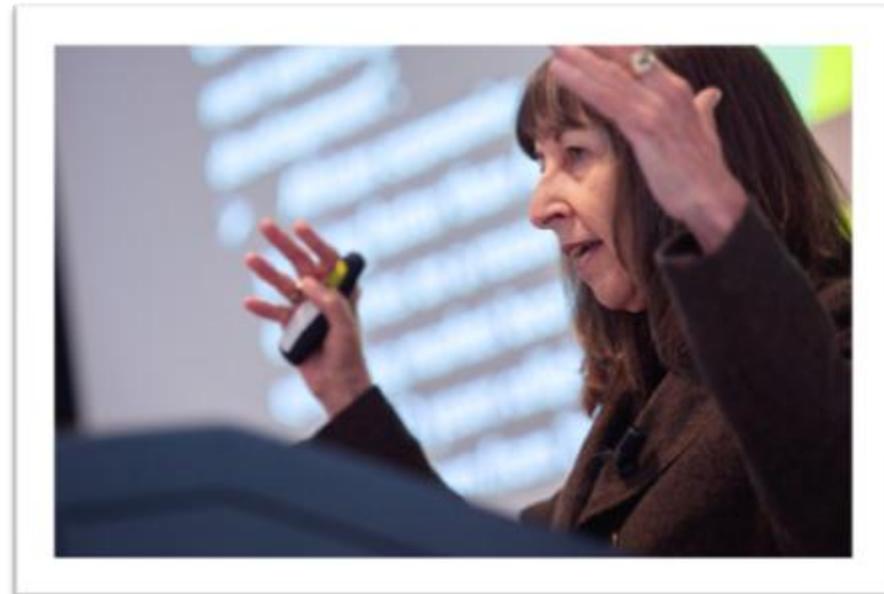
- Responding needs a geo-informed society
- Visualize, simplify and present reliable climate-based location and time information





Migration

- Responding demands knowledge of the spatial element
- Social, economic and political drivers causing mass movement
- Insights in points of departure, arrival points and everything in between should be better integrated





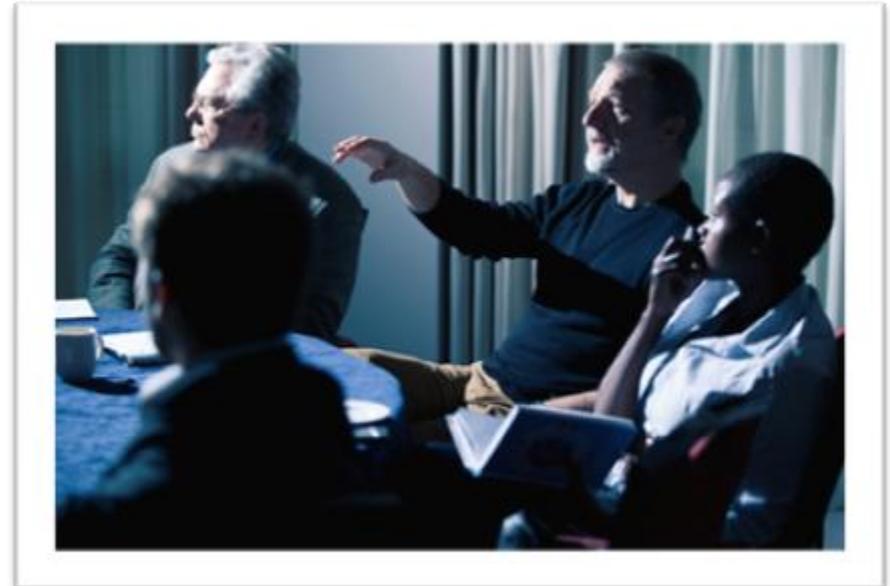
FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Social Justice

- Local actors need to be equipped with location information about disputes, justice points and services
- Geospatial framework for land disputes
- Spatial component makes social justice evidence-based





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

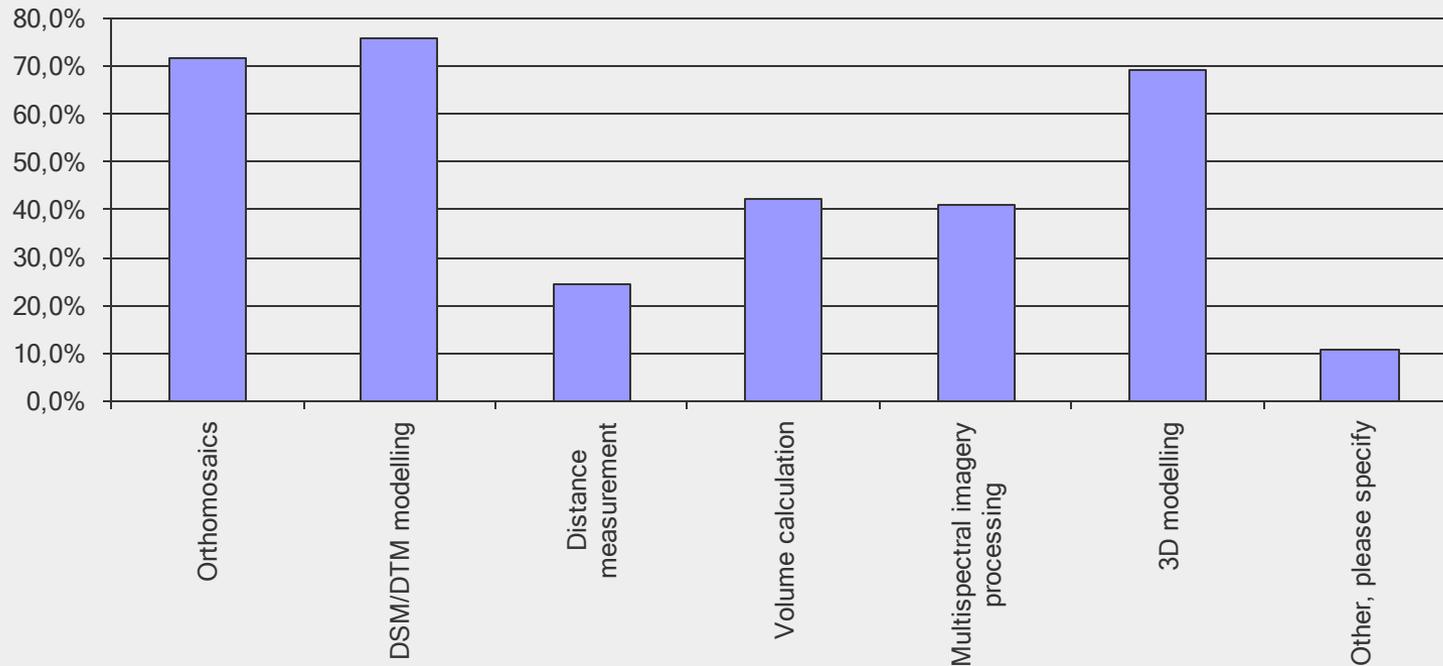
GIM
INTERNATIONAL

Survey GIM International november 2016

- 8900 readers of GIM International were invited for a short a Photogrammetry and Remote Sensing survey
- 446 respondents filled in the survey
- Highlighting questions on where to focus on for Photogrammetry & Remote Sensing

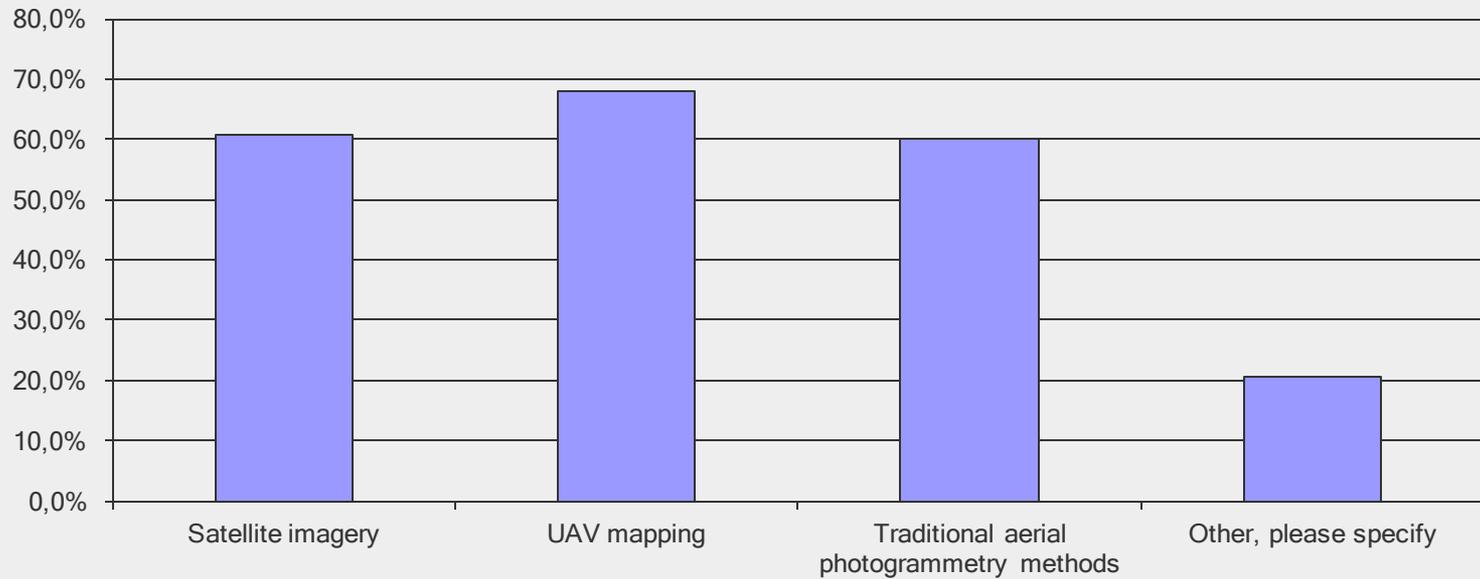


For which purpose(s) do you use photogrammetric software? Multiple answers possible.



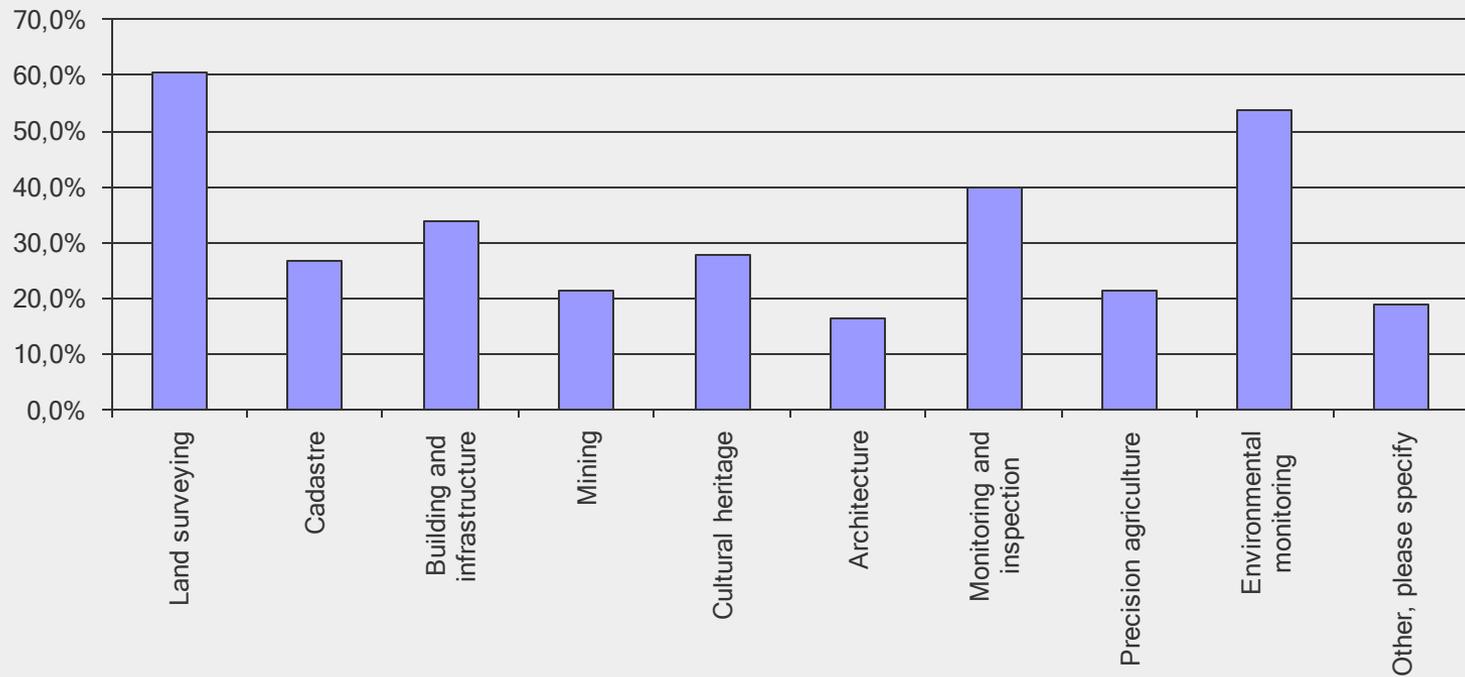


What data collection method do you use? Multiple answers possible.



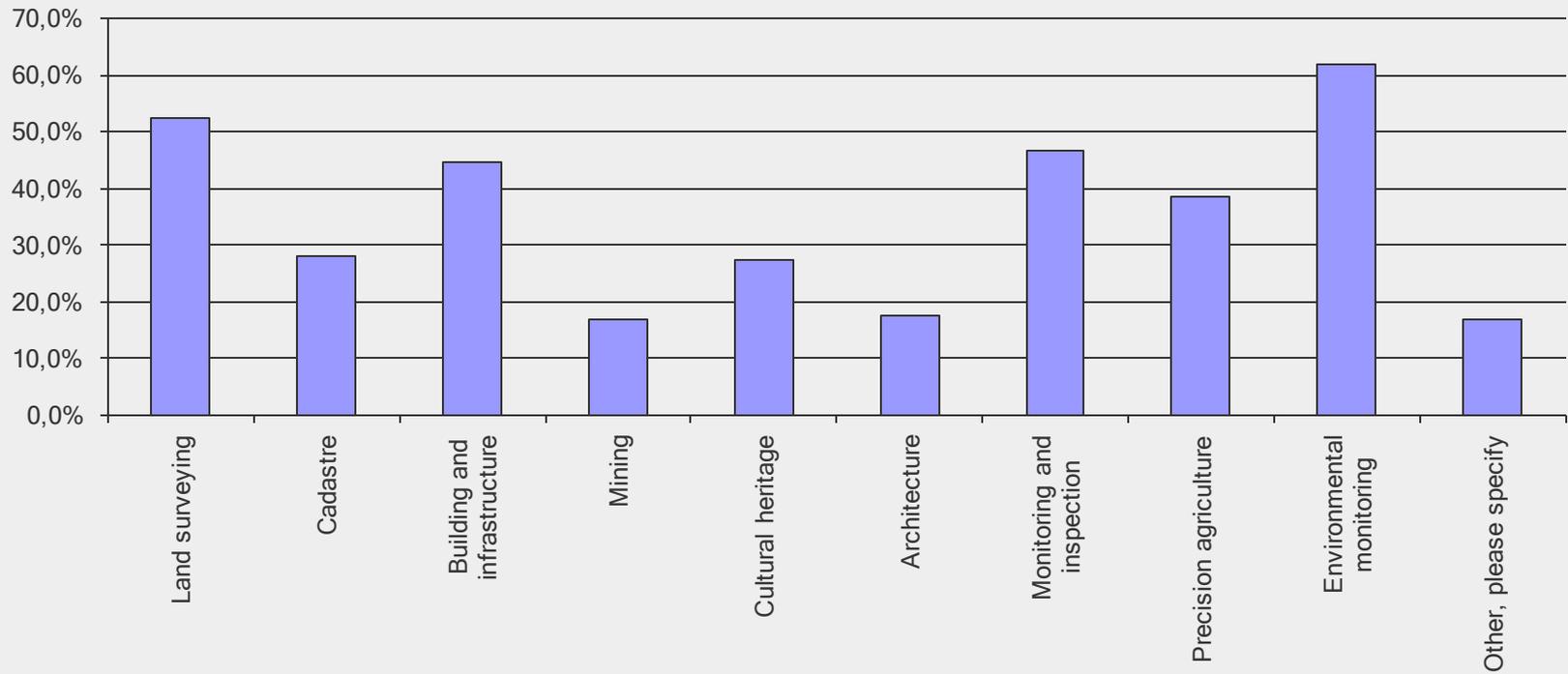


For which application area(s) do you use photogrammetric software? Multiple answers possible.





In which application area(s) do you expect a large growth? Multiple answers possible.





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

A selection of the other answers:

Security & Border Control

Medical

Forensic

Hydrography

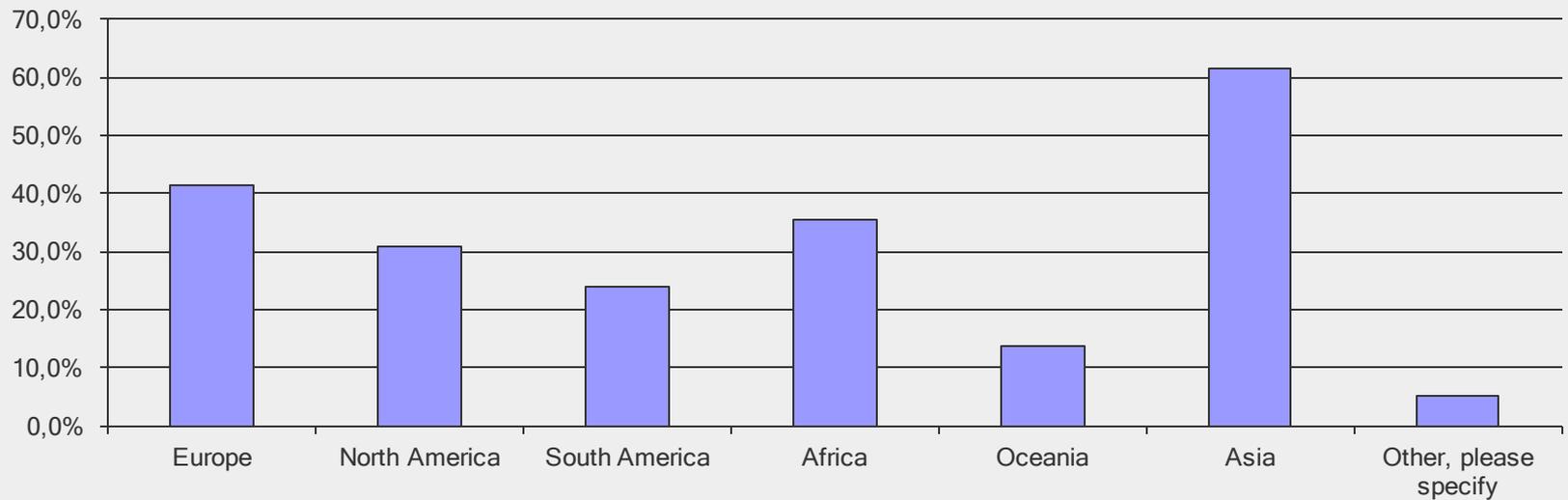
Smart Cities

Metrology

Underwater



In which region(s) do you expect a large growth? Multiple answers possible.





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Concluding

- Optimism about Asia
- Diversification
- Land Surveying stable base – Environmental Monitoring growth area



FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Recommendations*

- Find a shared language and reach out proactively;
- Visualise and simplify to explain the value of location information ;
- Respond to user needs;
- Remember the people;
- Engage, listen and act!

* Also shared at UN-GGIM HLF in Addis Abeba this spring





FROM IMAGERY TO MAP: digital photogrammetric technologies

16th International Scientific and Technical Conference

GIM
INTERNATIONAL

Questions?

- Thanks & now back to science!