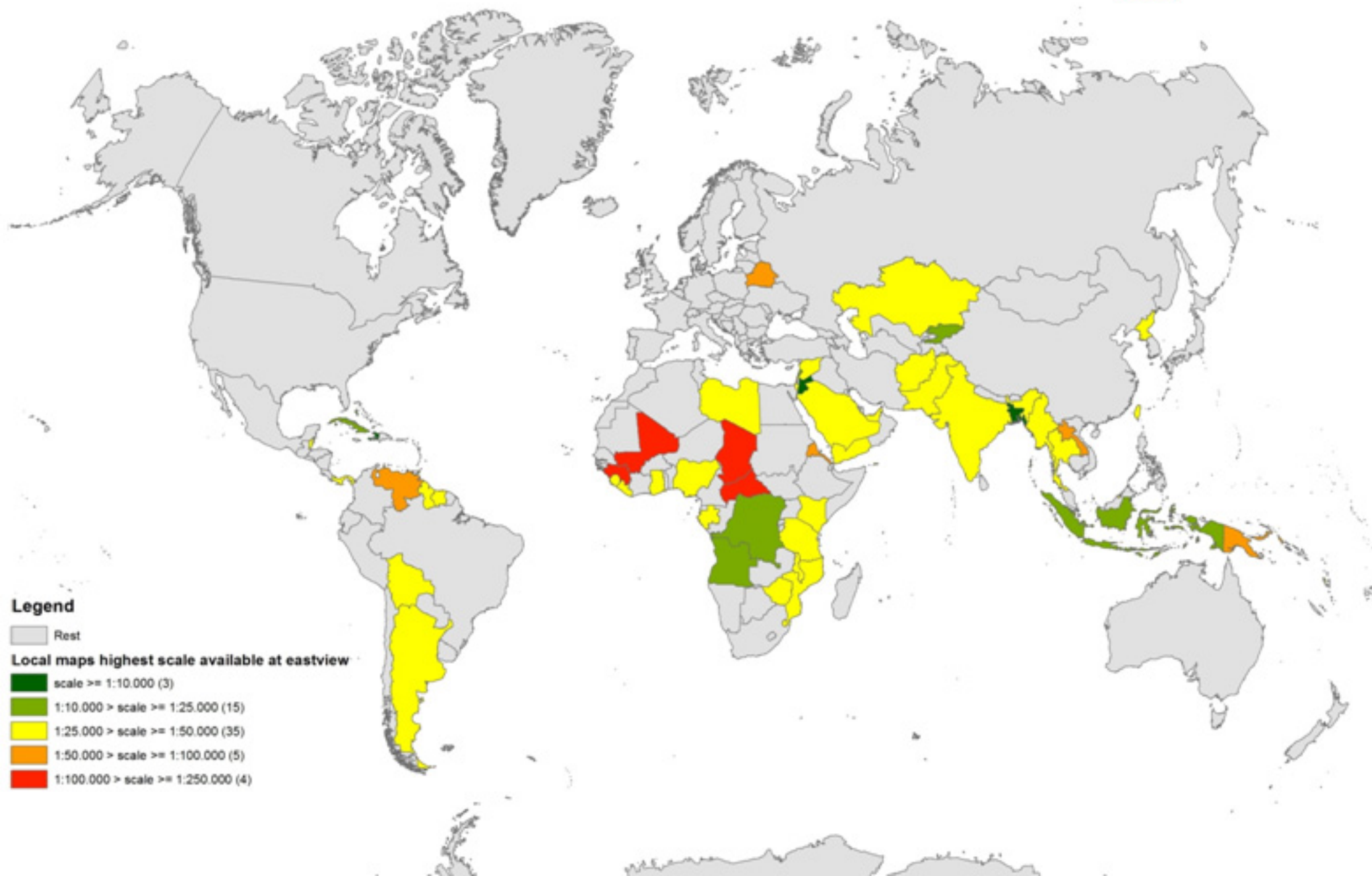




# Scales of Nationally Produced Maps from Vendors

dark green 1:10 000, light green 1:25 000, yellow 1:50 000, brown 1:100 000, red 1:250 000



## Legend

Rest

Local maps highest scale available at eastview

dark green scale  $\geq$  1:10,000 (3)

light green 1:10,000 > scale  $\geq$  1:25,000 (15)

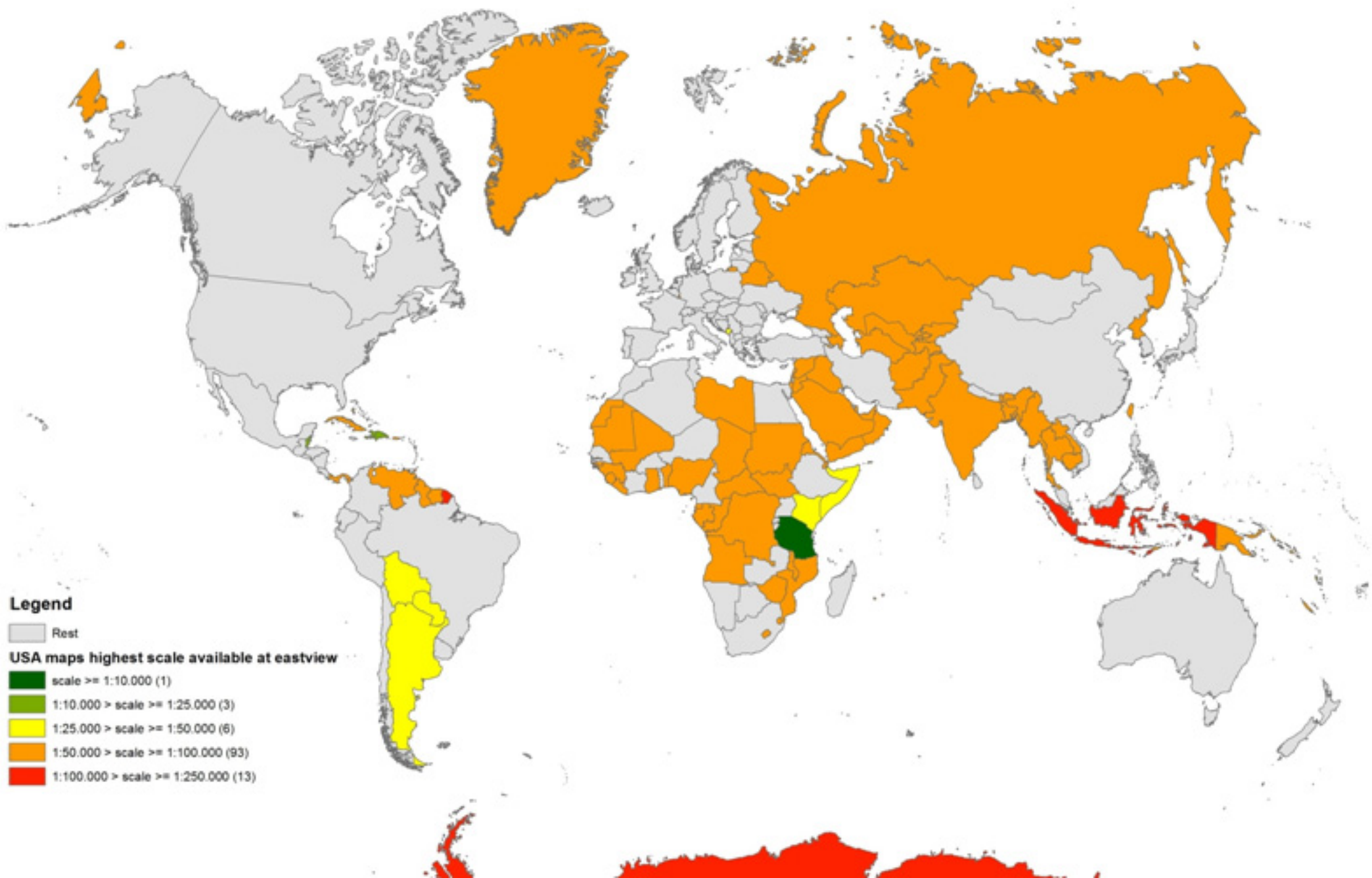
yellow 1:25,000 > scale  $\geq$  1:50,000 (35)

brown 1:50,000 > scale  $\geq$  1:100,000 (5)

red 1:100,000 > scale  $\geq$  1:250,000 (4)

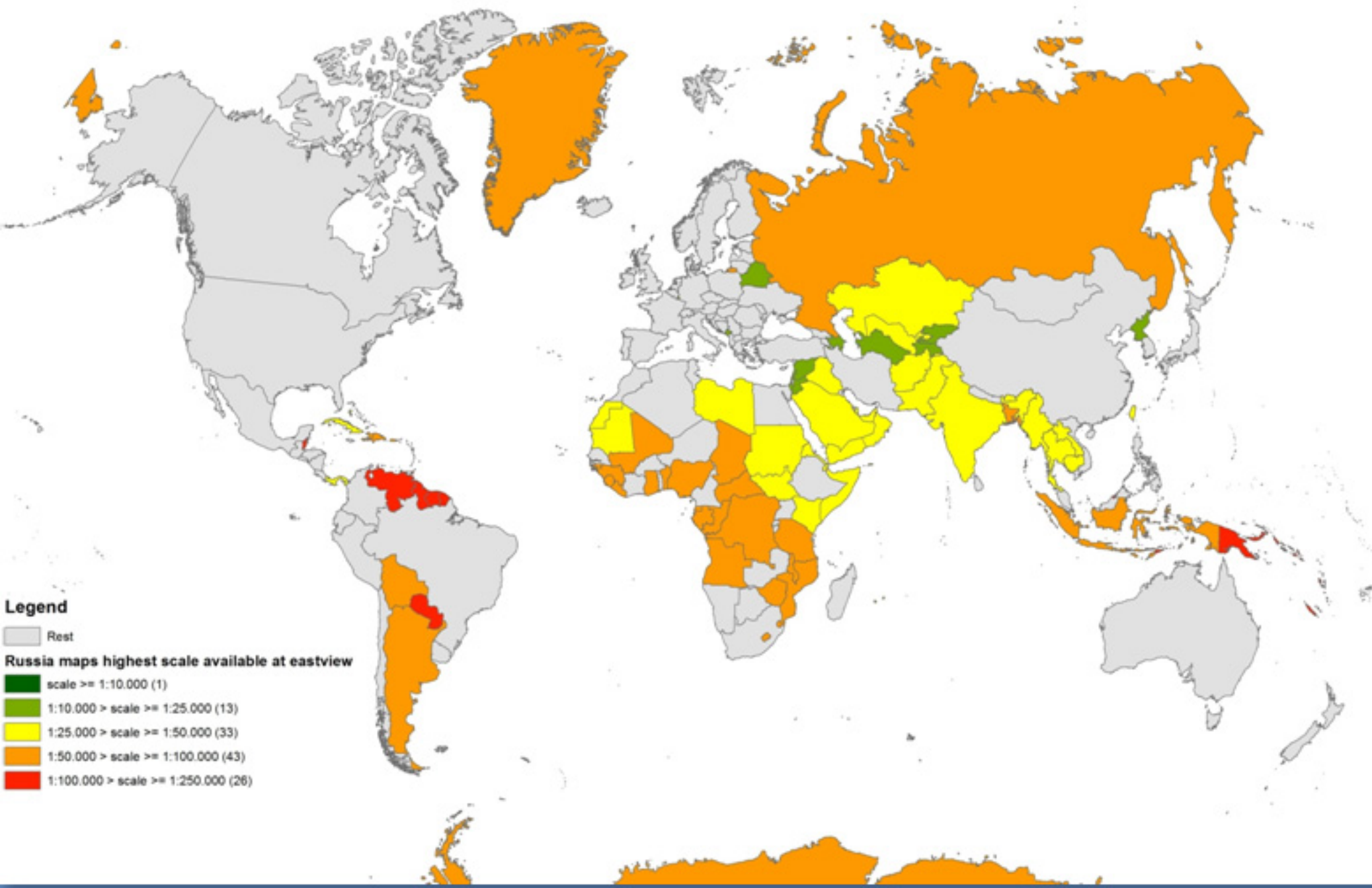
# Scales of US produced Military Maps from Vendors

green 1:10 000, yellow 1:50 000, brown 1:100 000, red 1:250 000



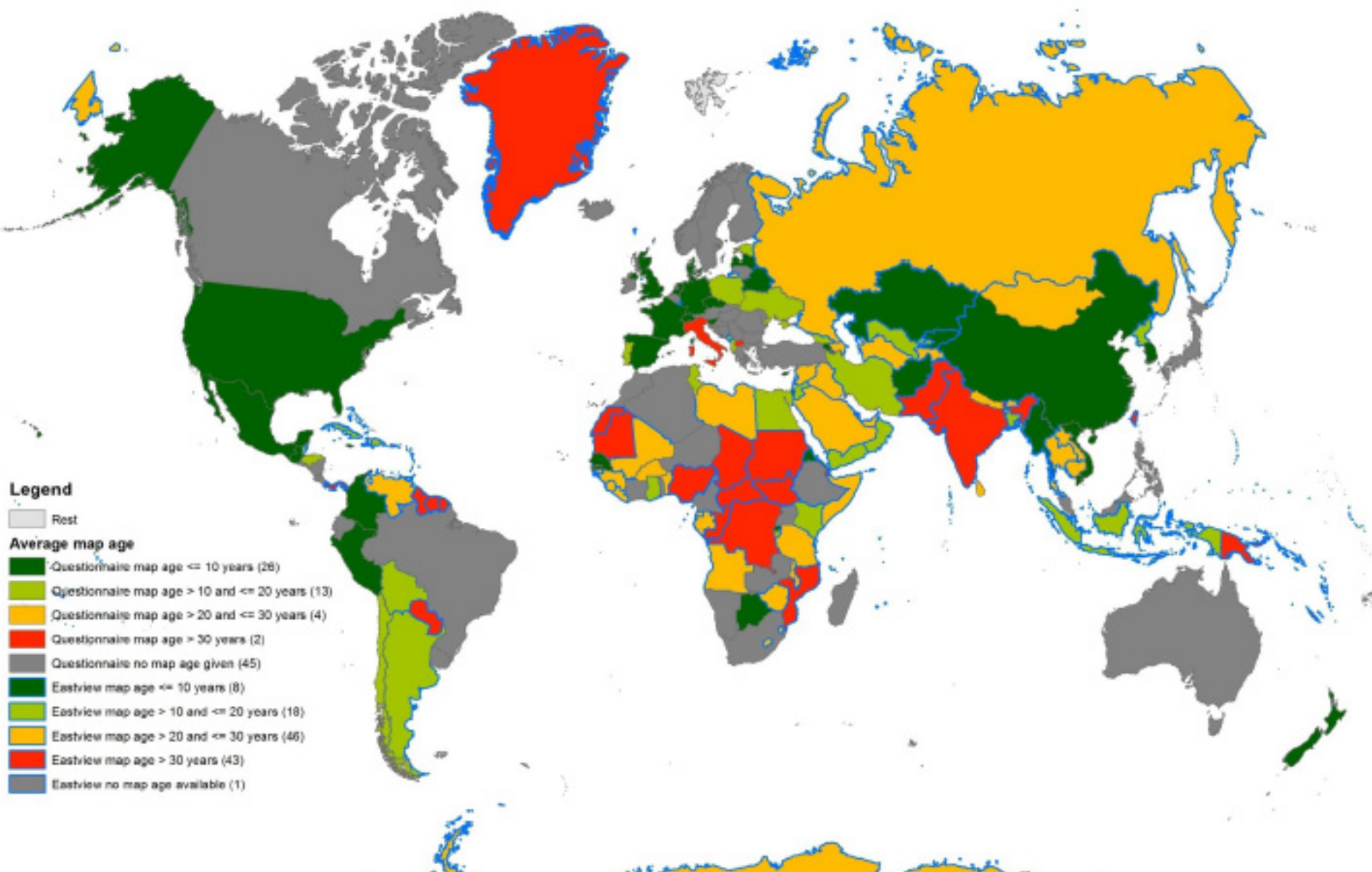
# Scales of Russian Produced Military Maps from Vendors

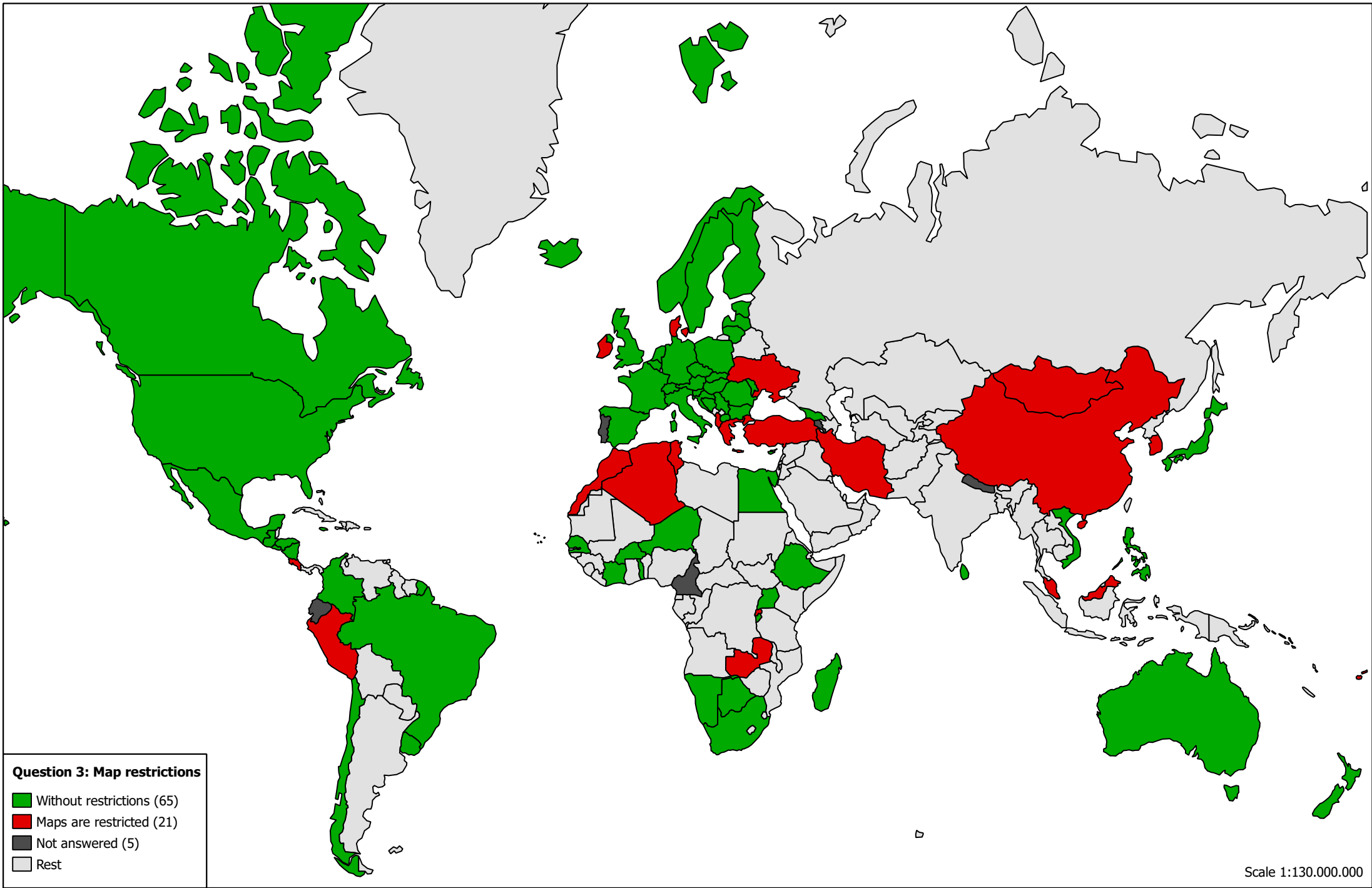
green 1:25 000, yellow 1:50 000, brown 1:100 000, red 1:250 000

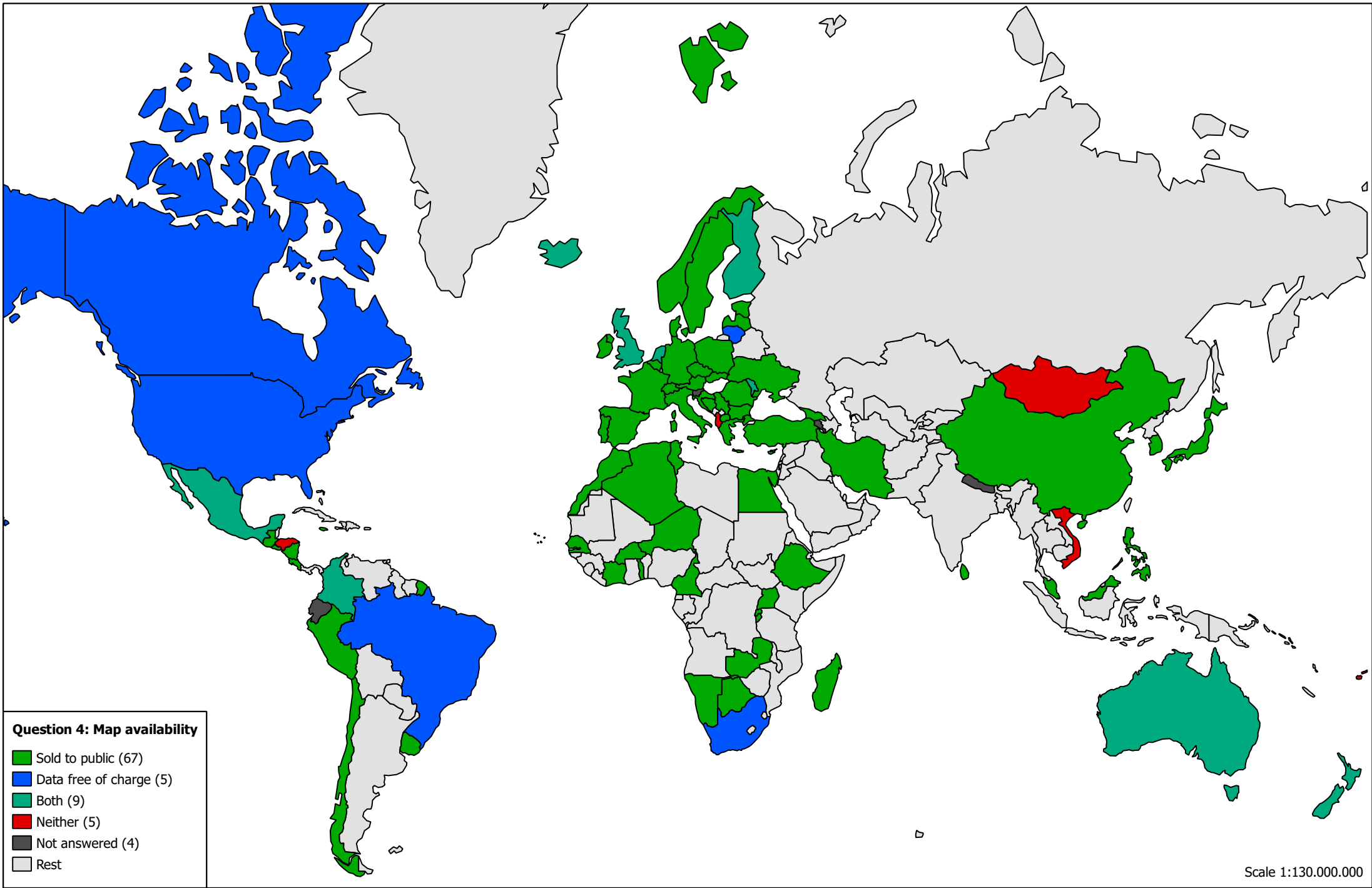


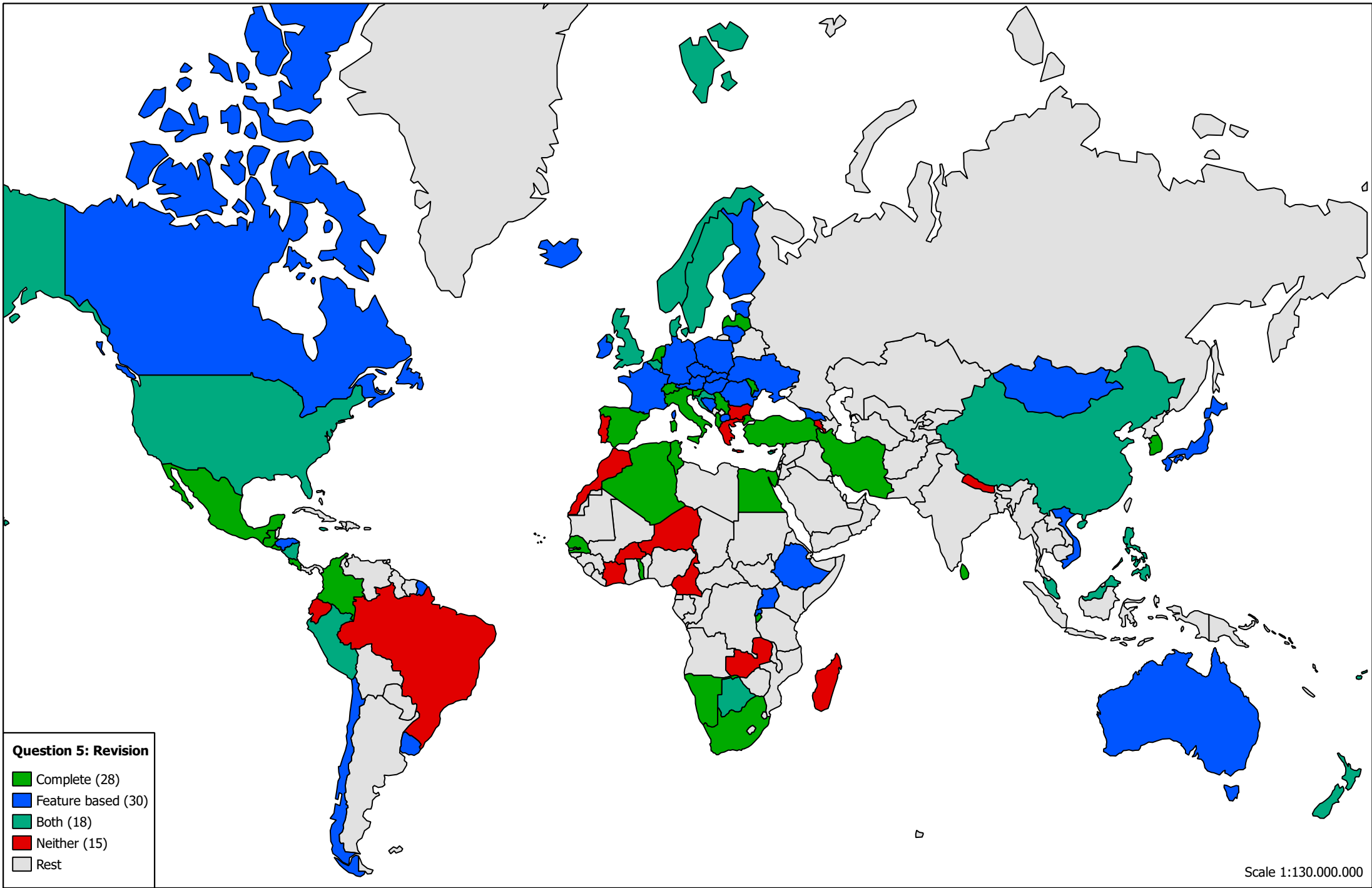


**Question 2: Map age combined from Questionnaires and from Vendors**  
 dark green <10 yrs, light green < 20yrs, orange < 30yrs, red > 30yrs, grey age not given

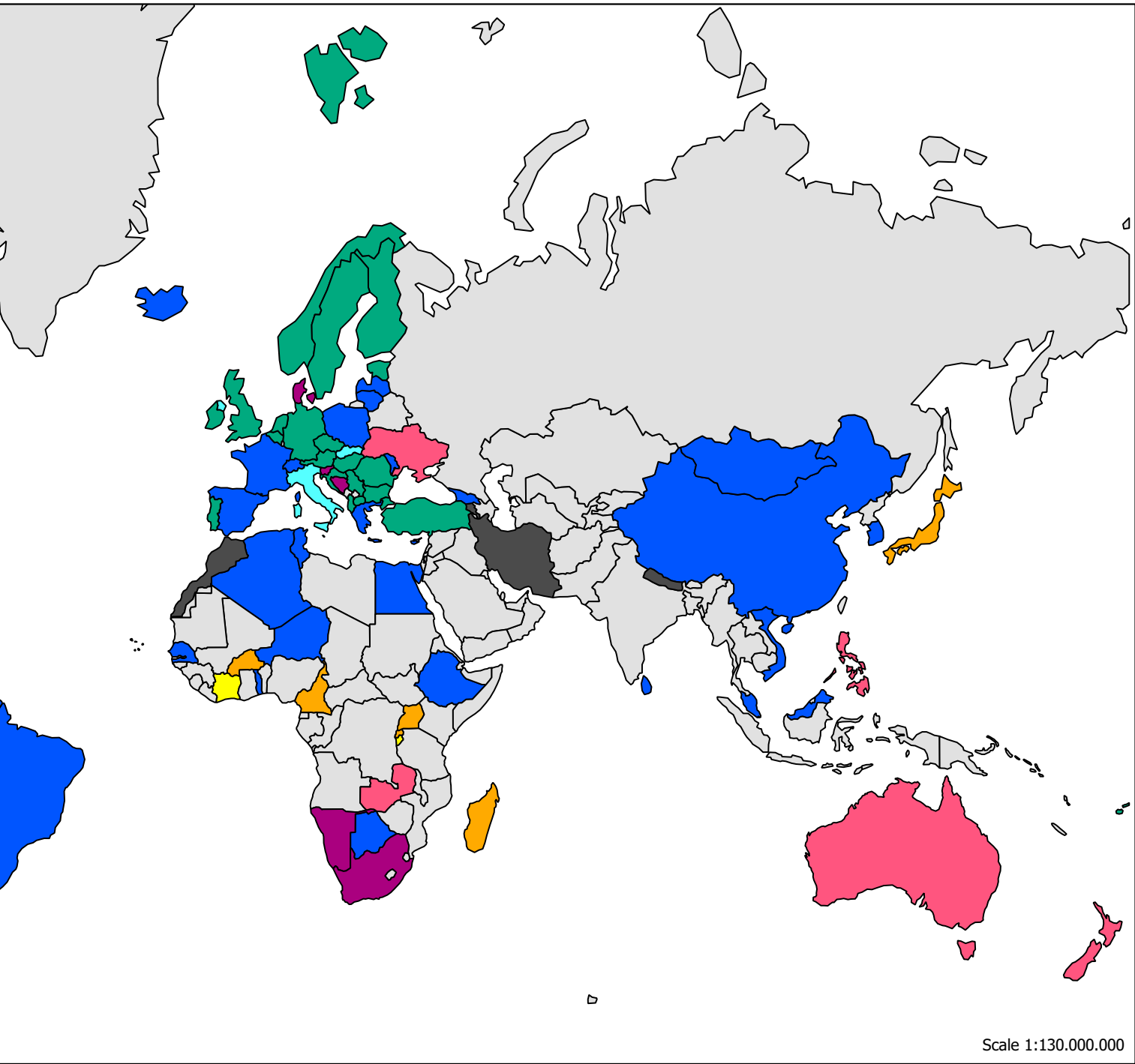
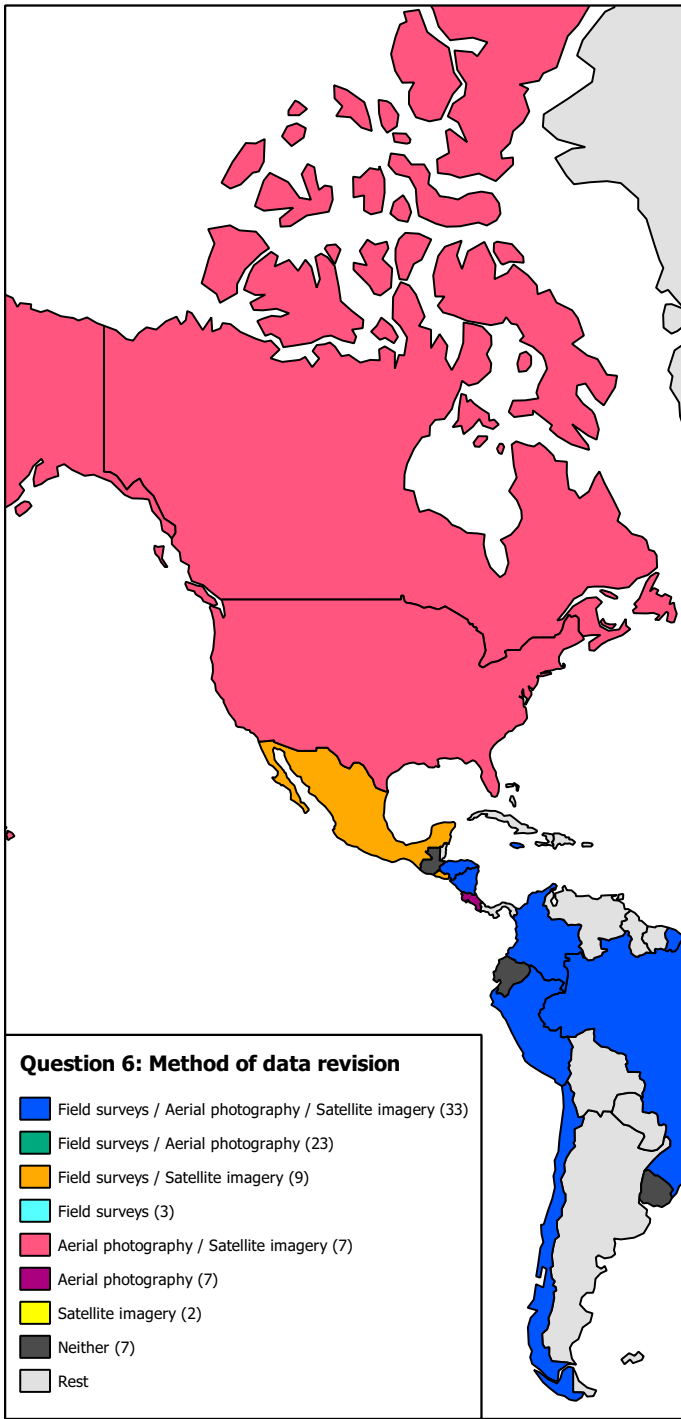
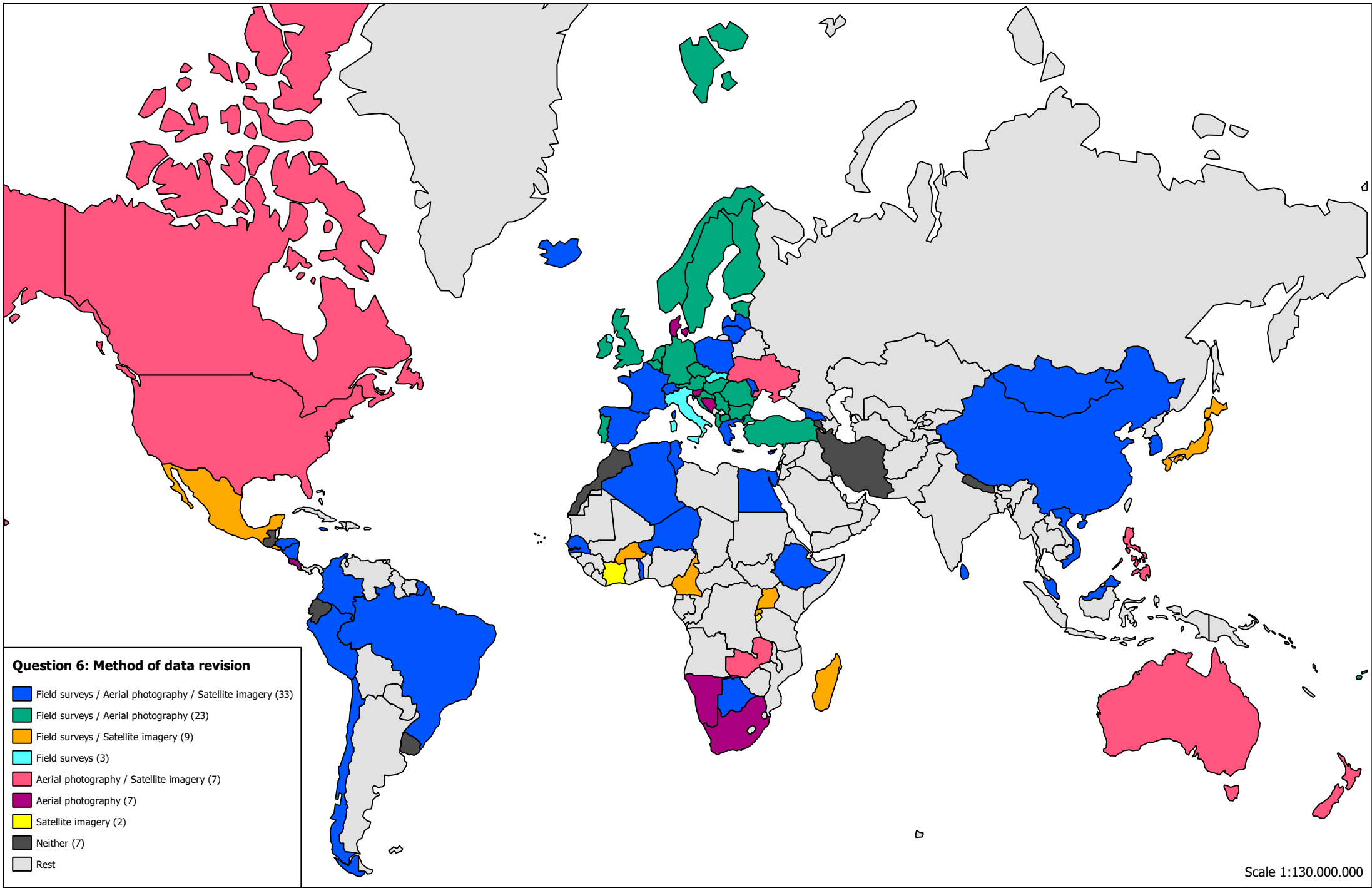


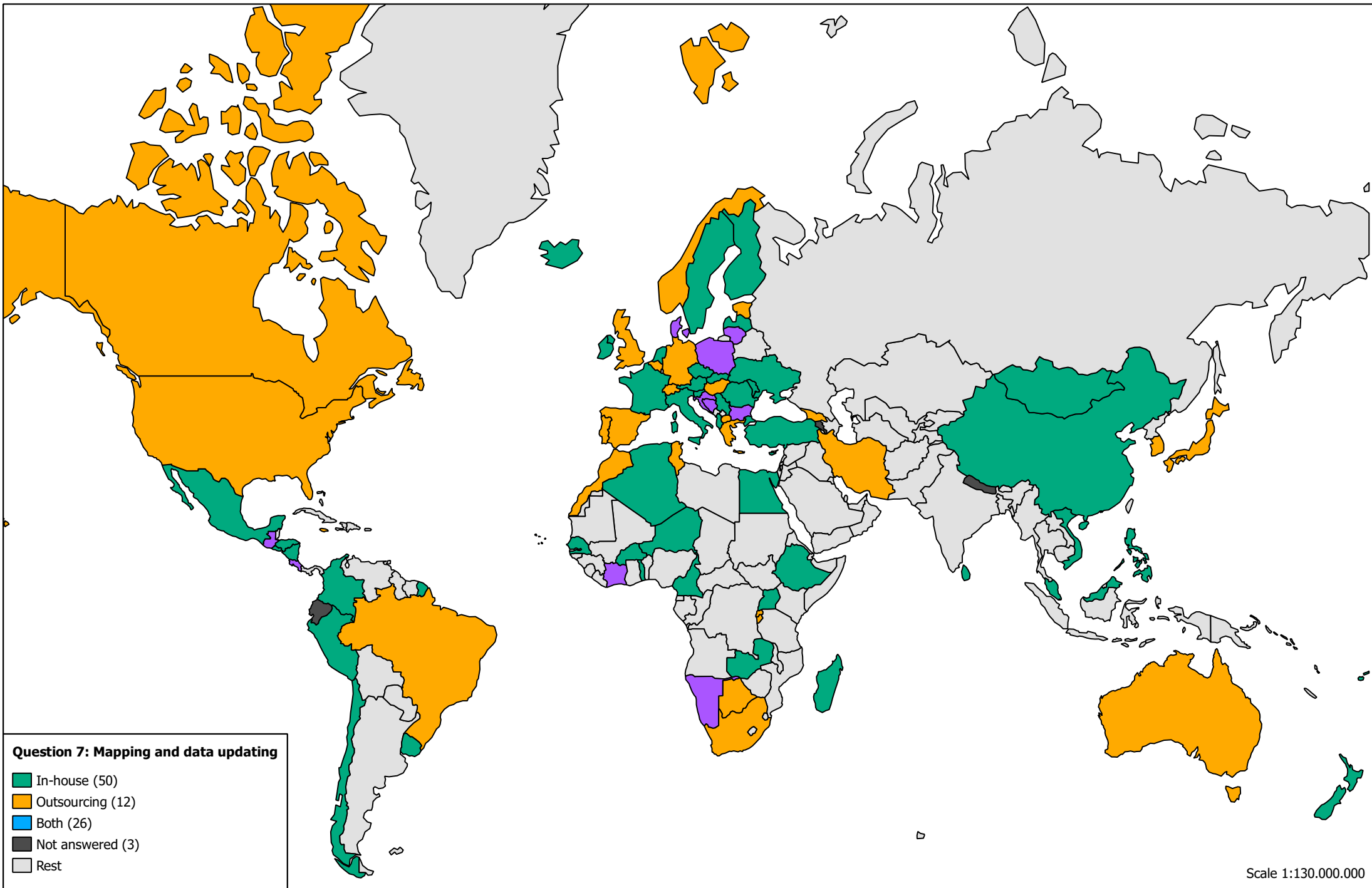


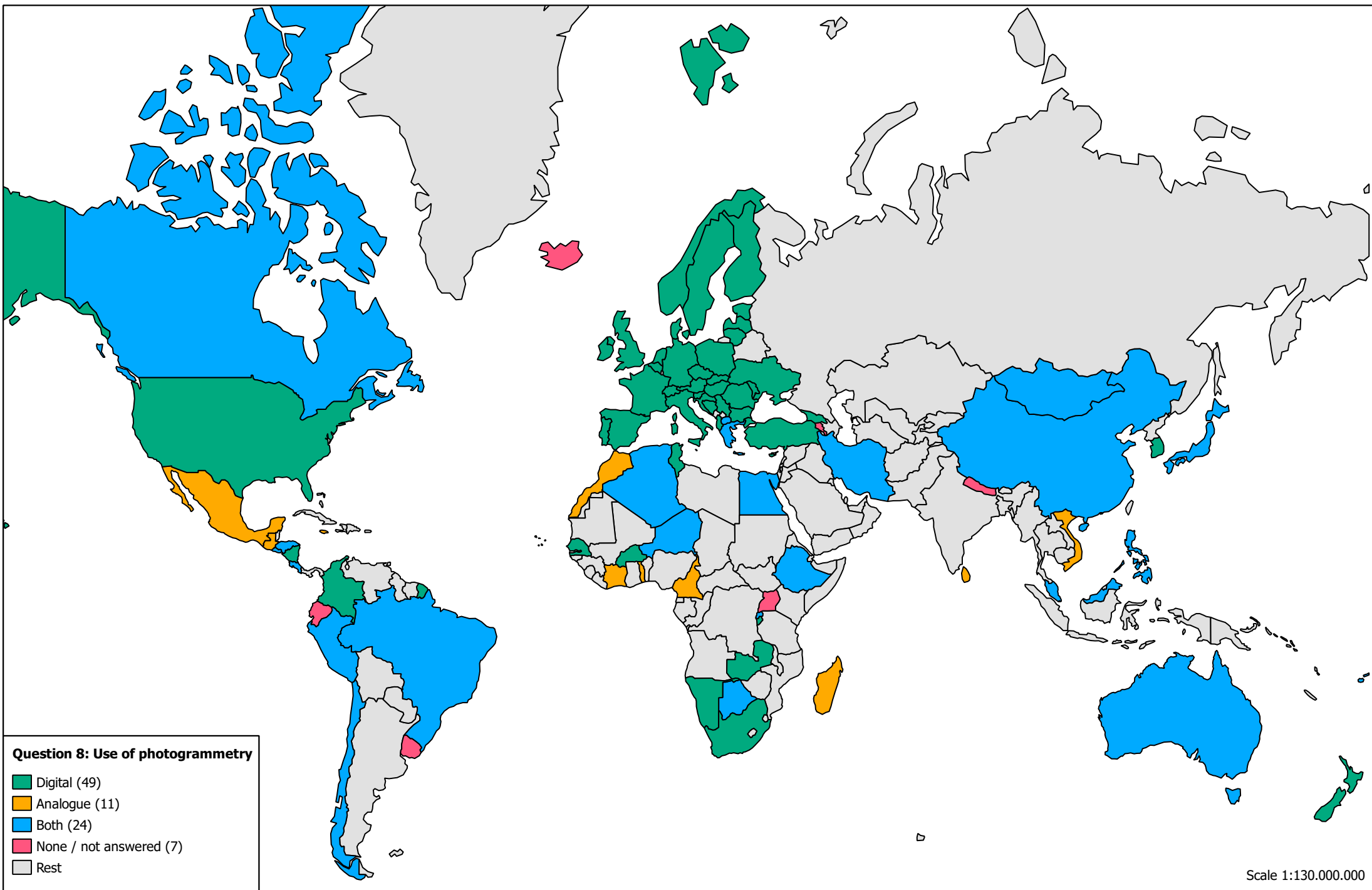


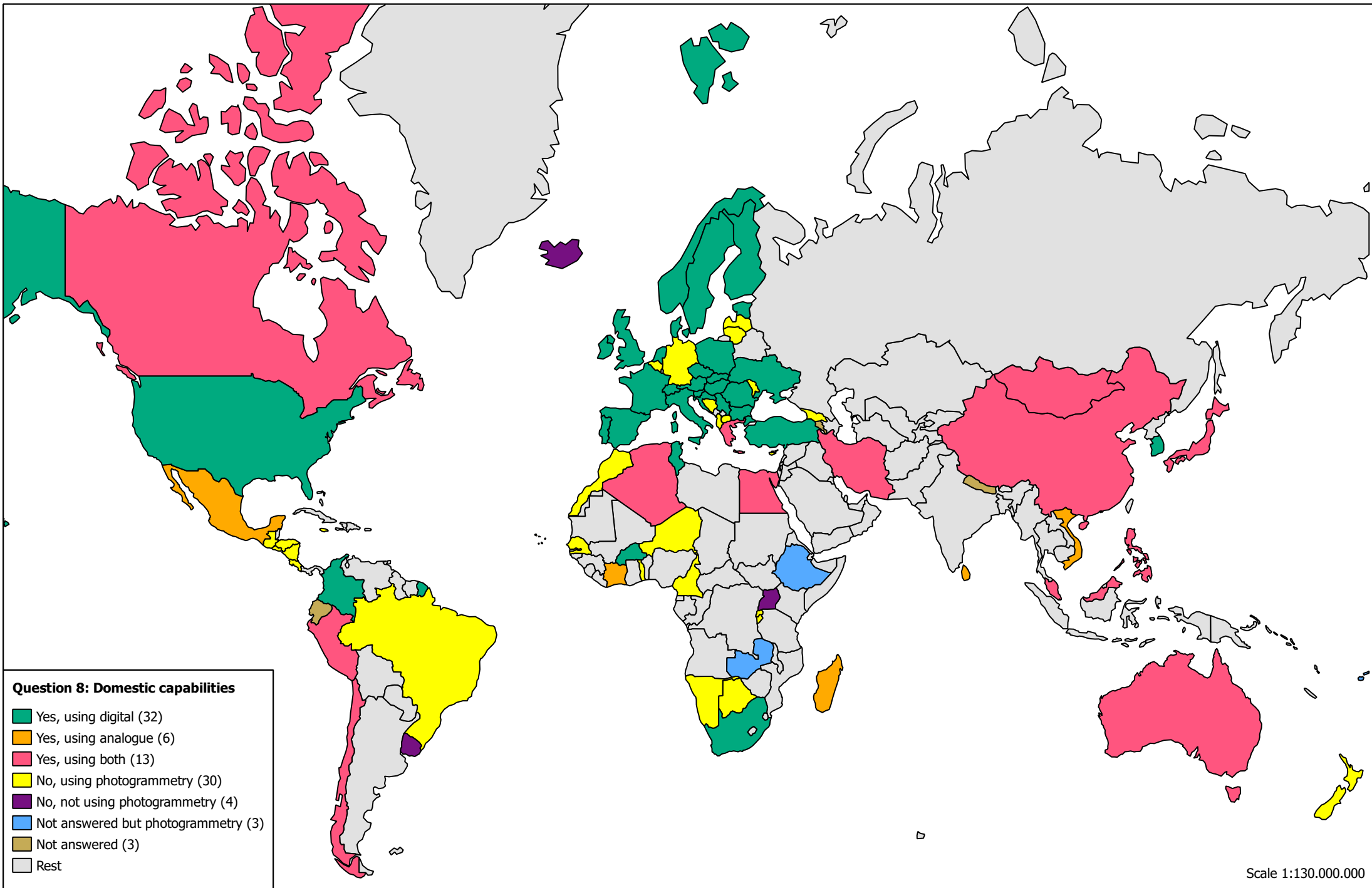


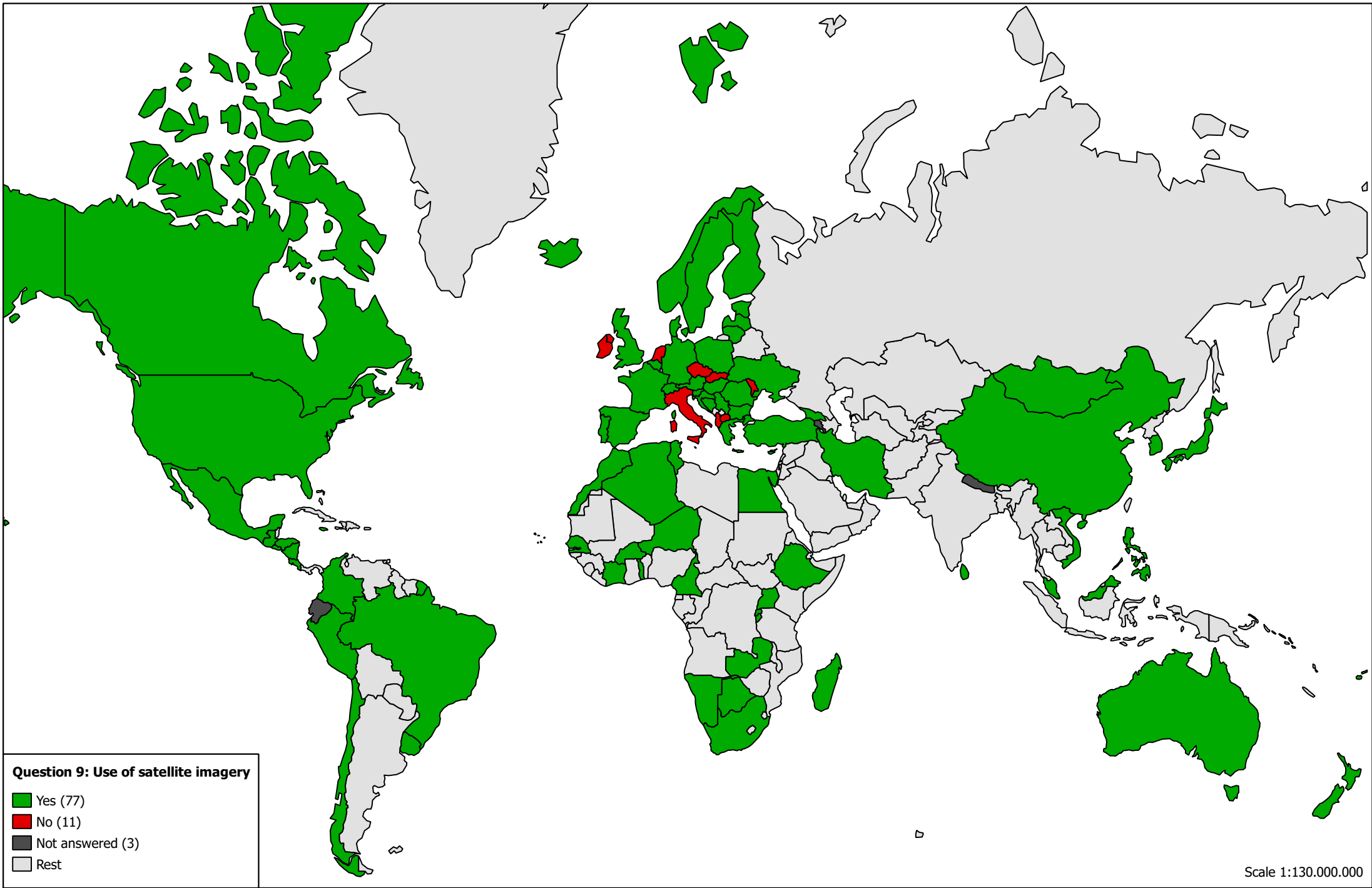


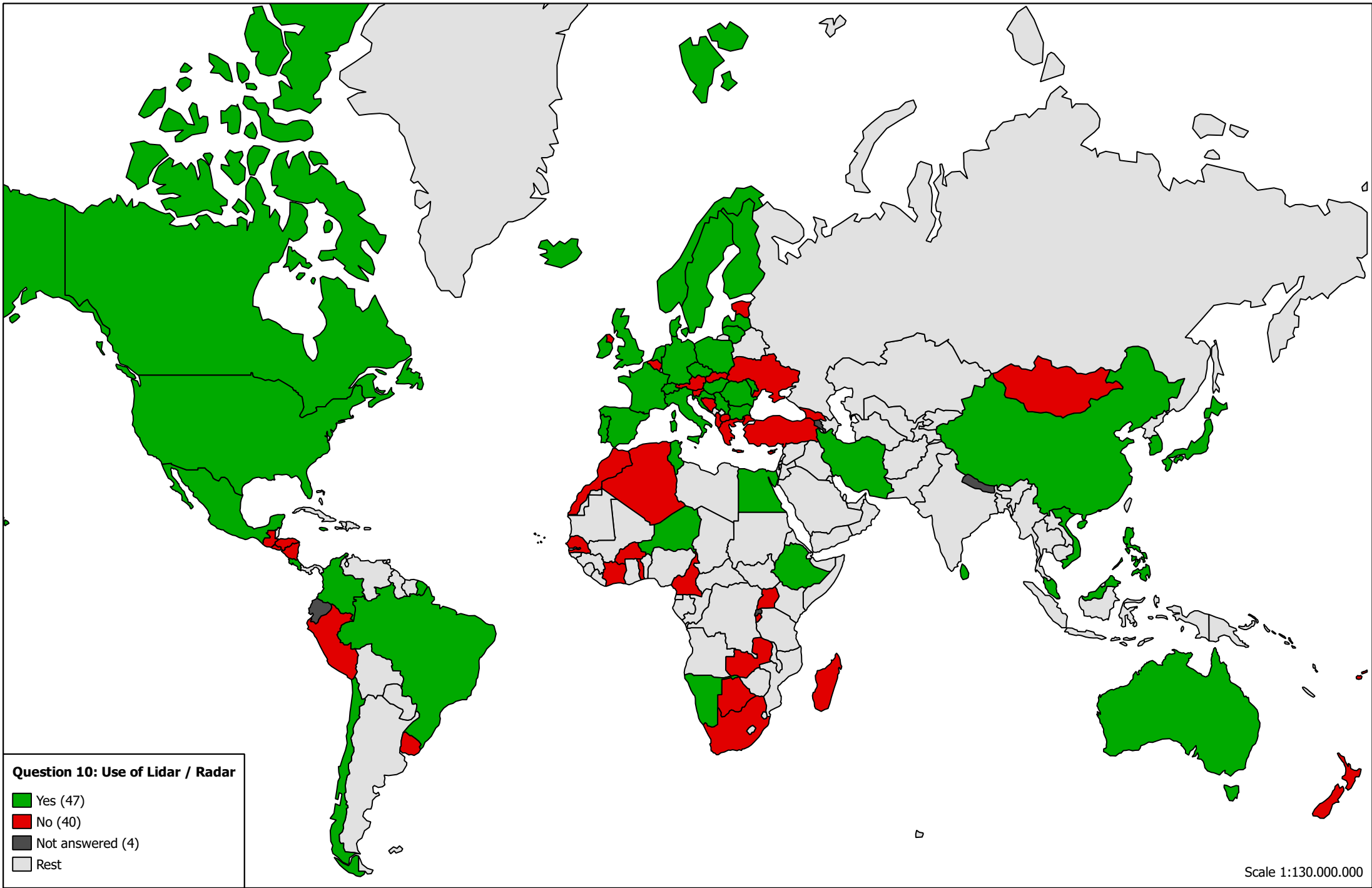


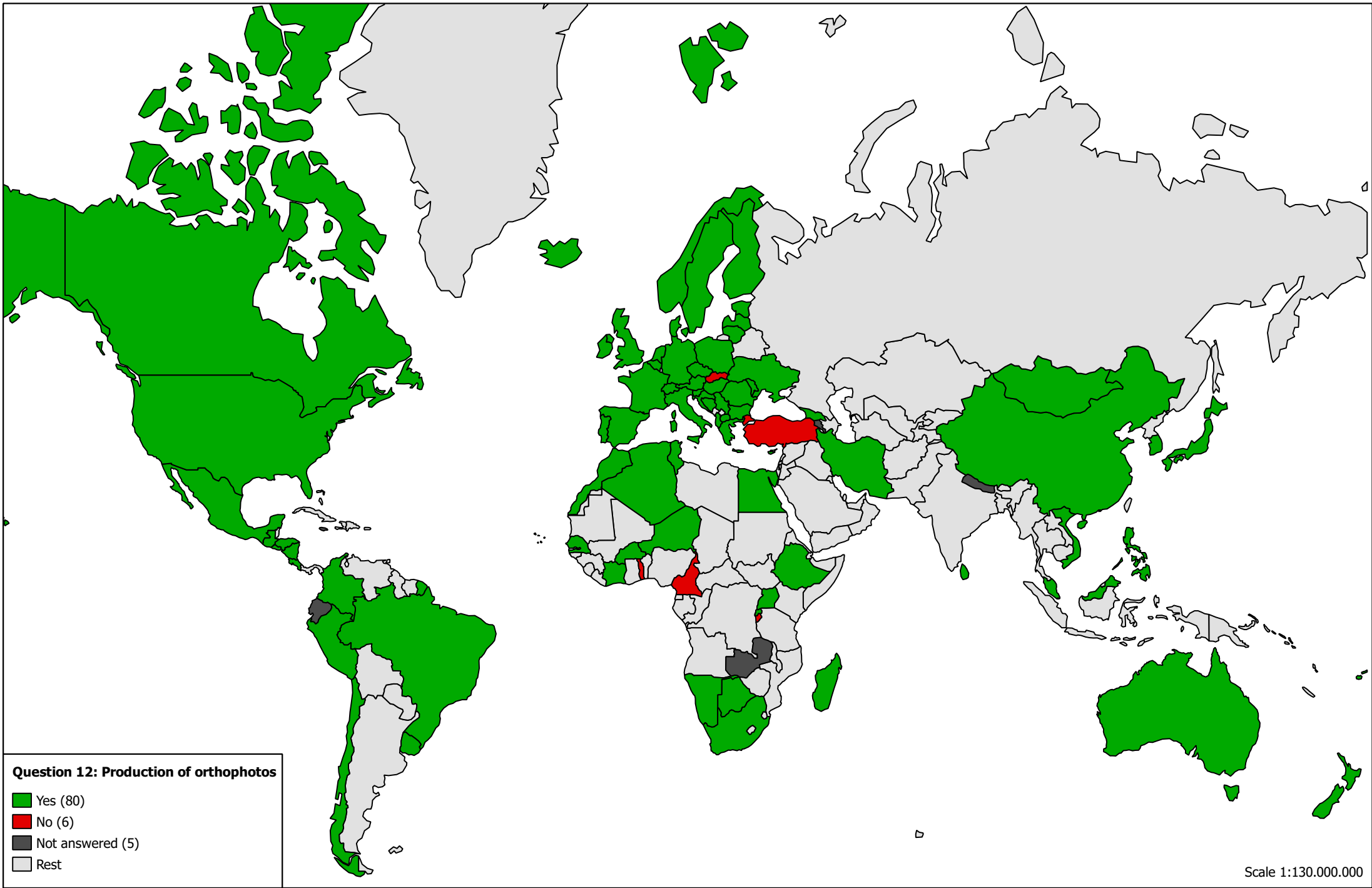




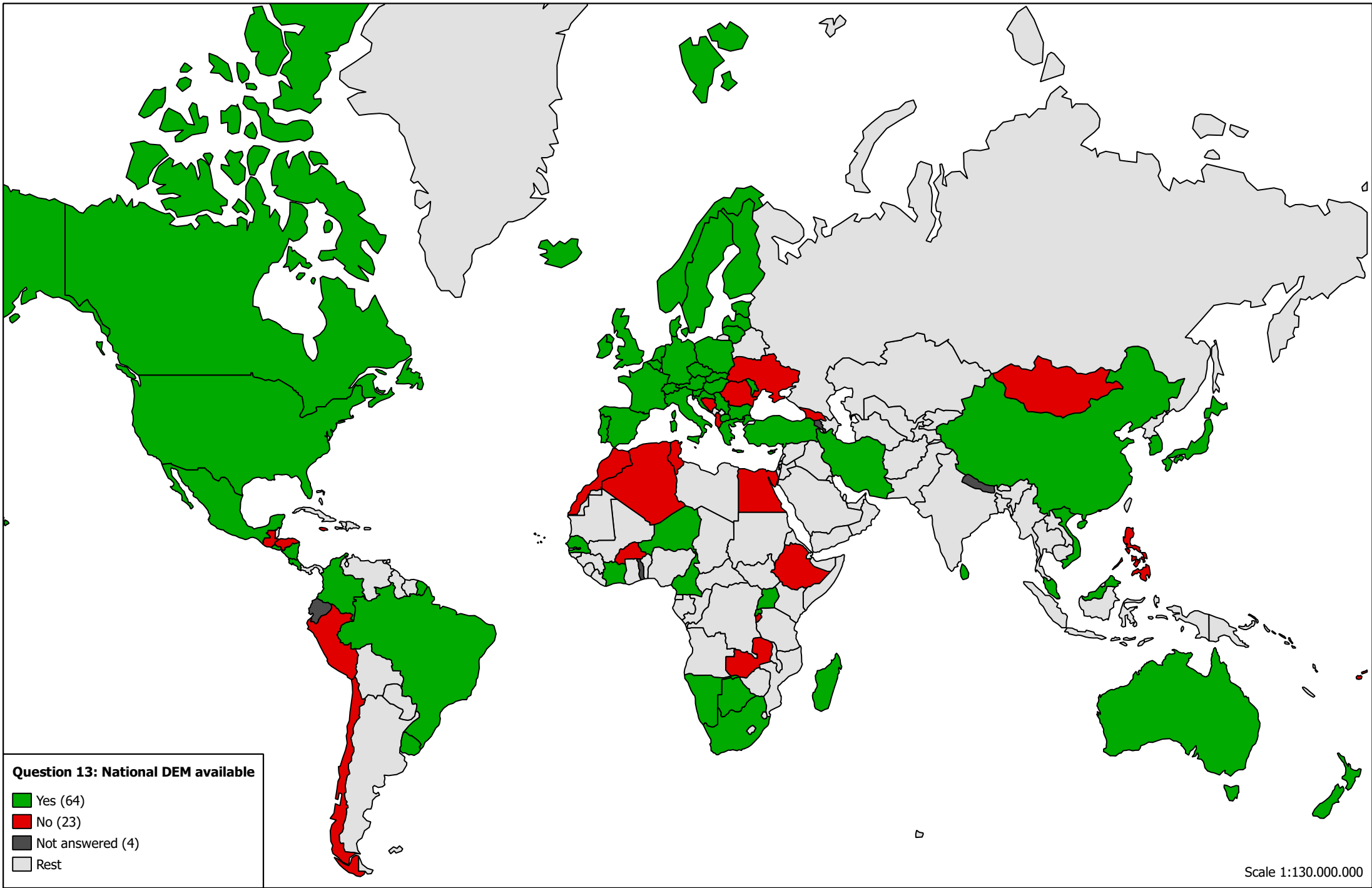


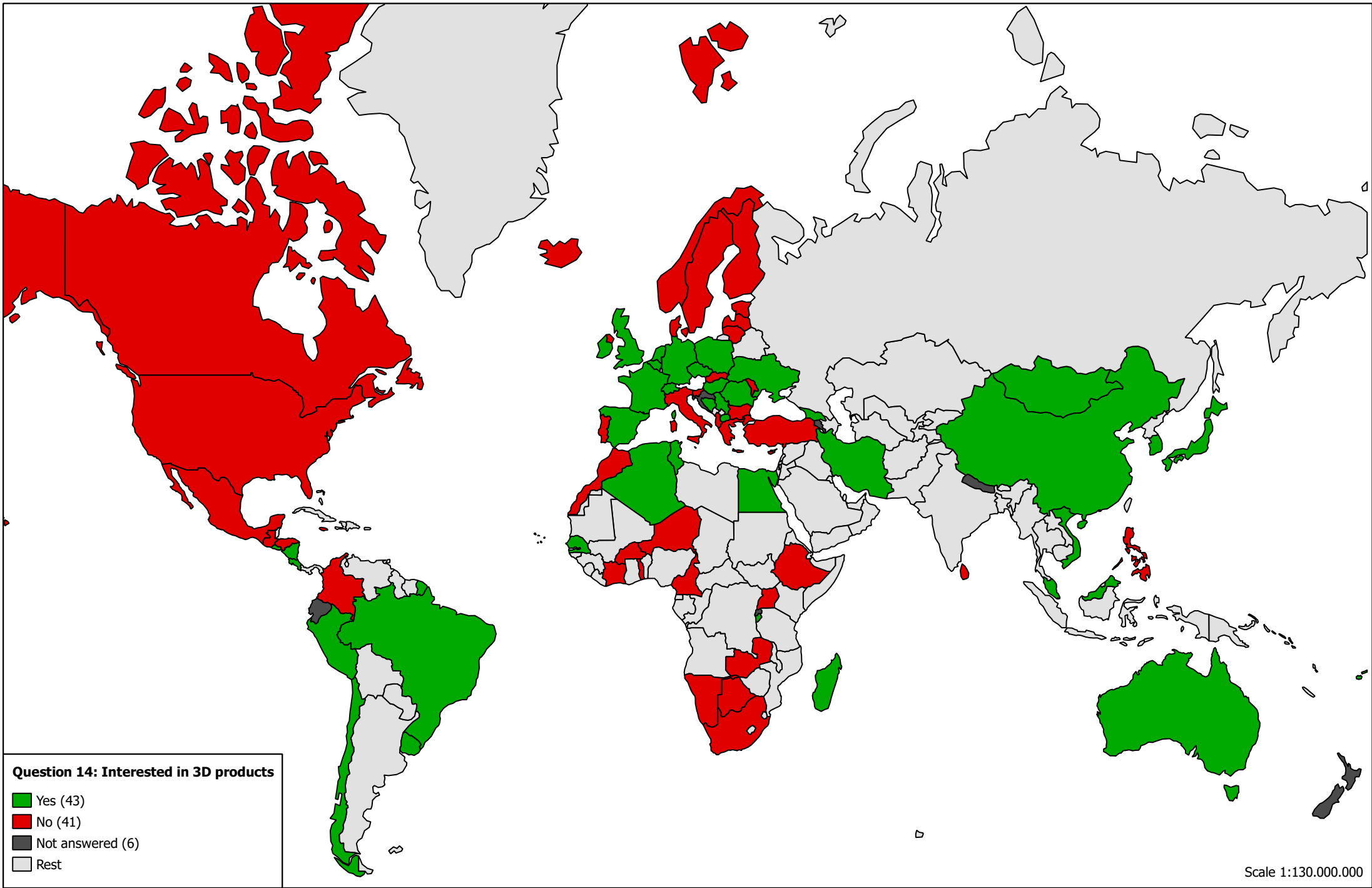


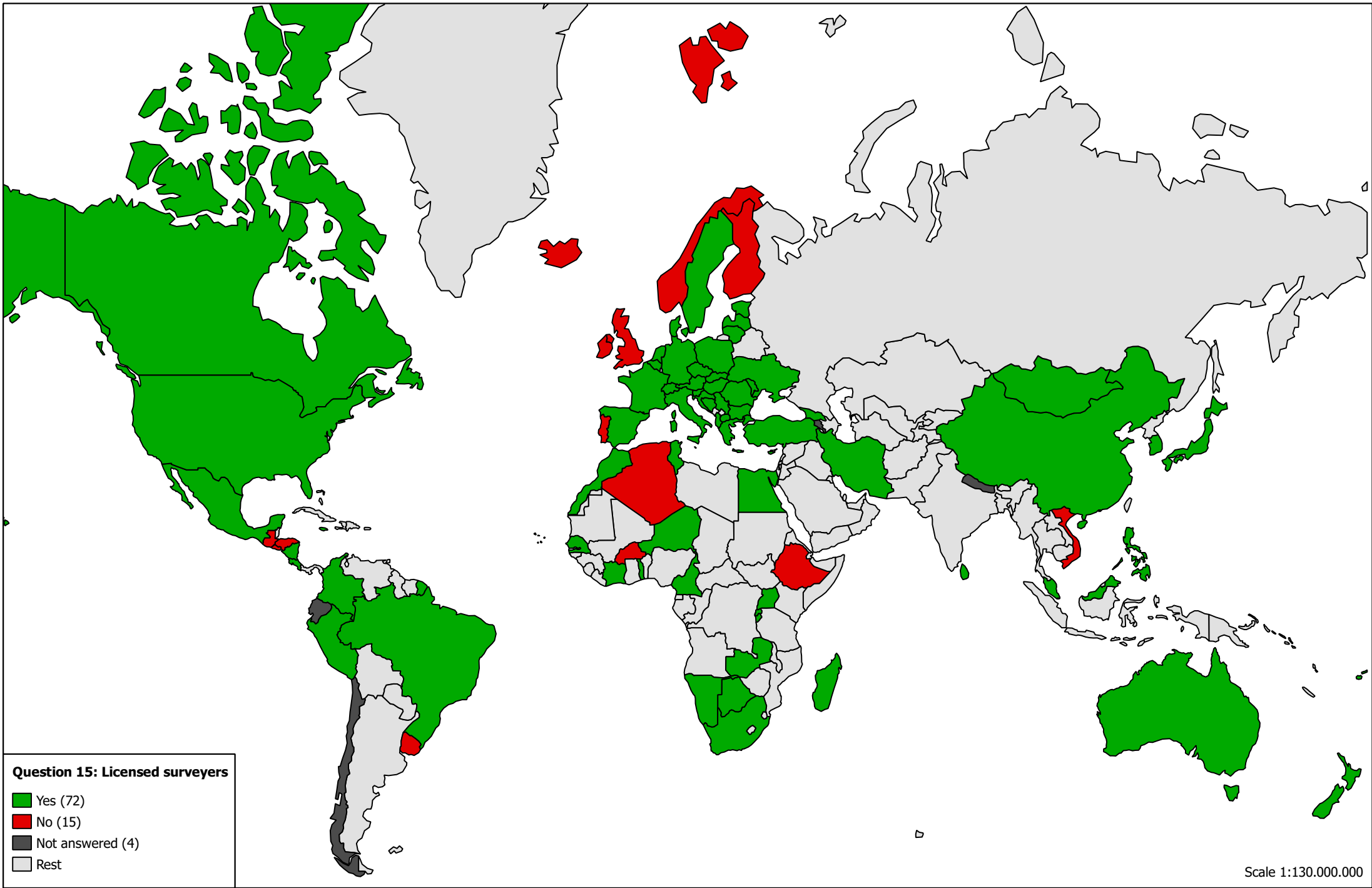


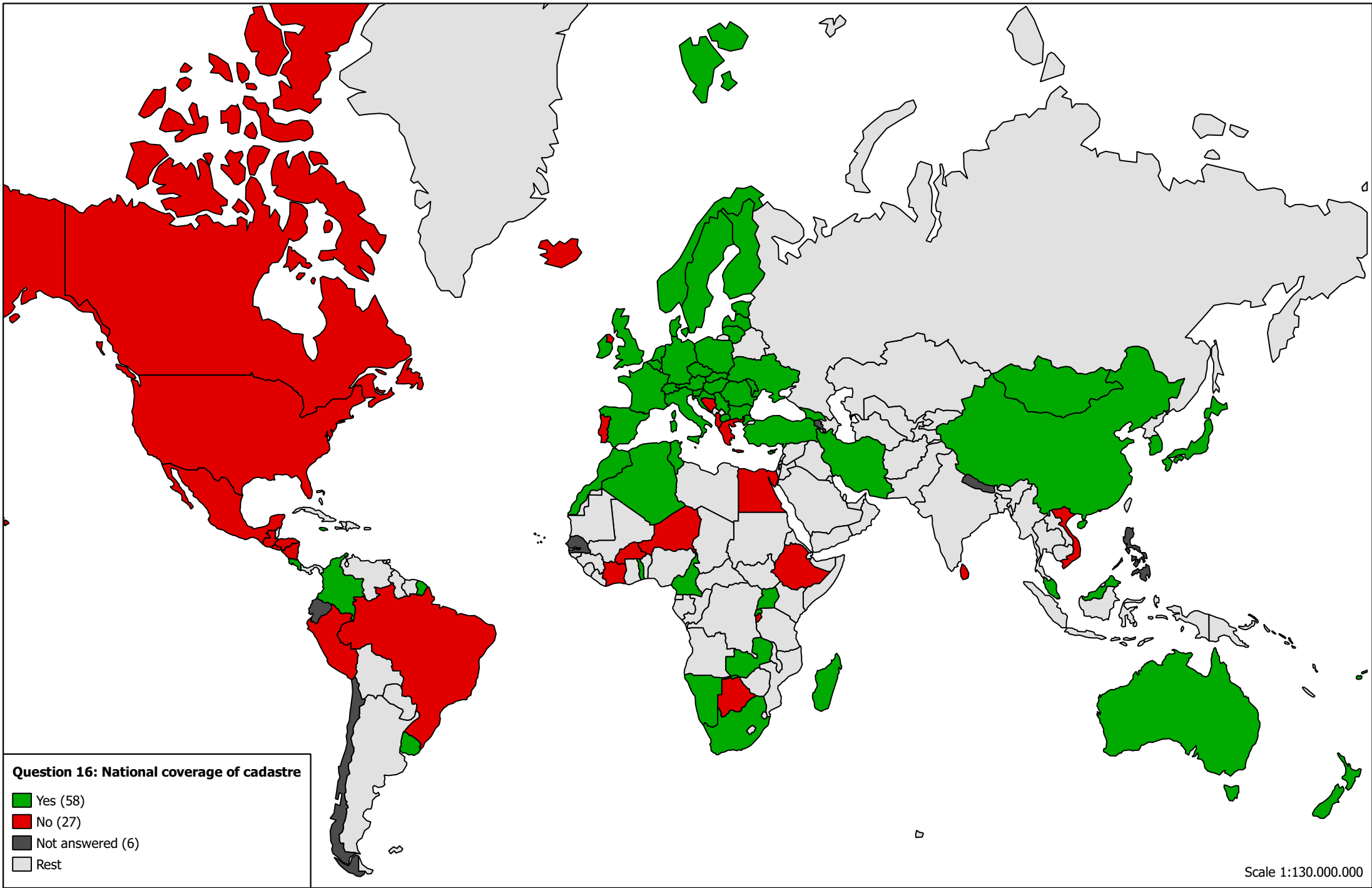


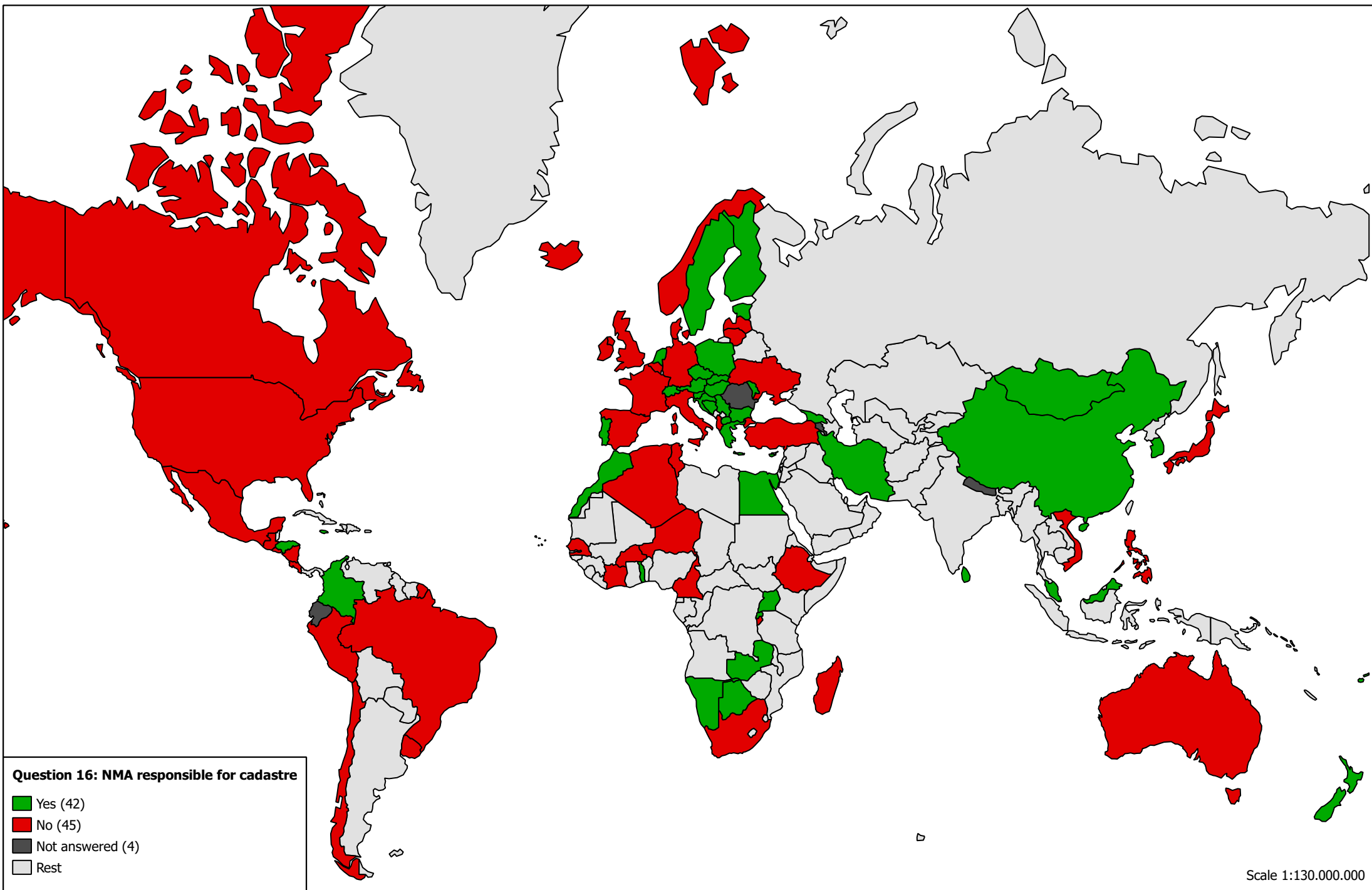


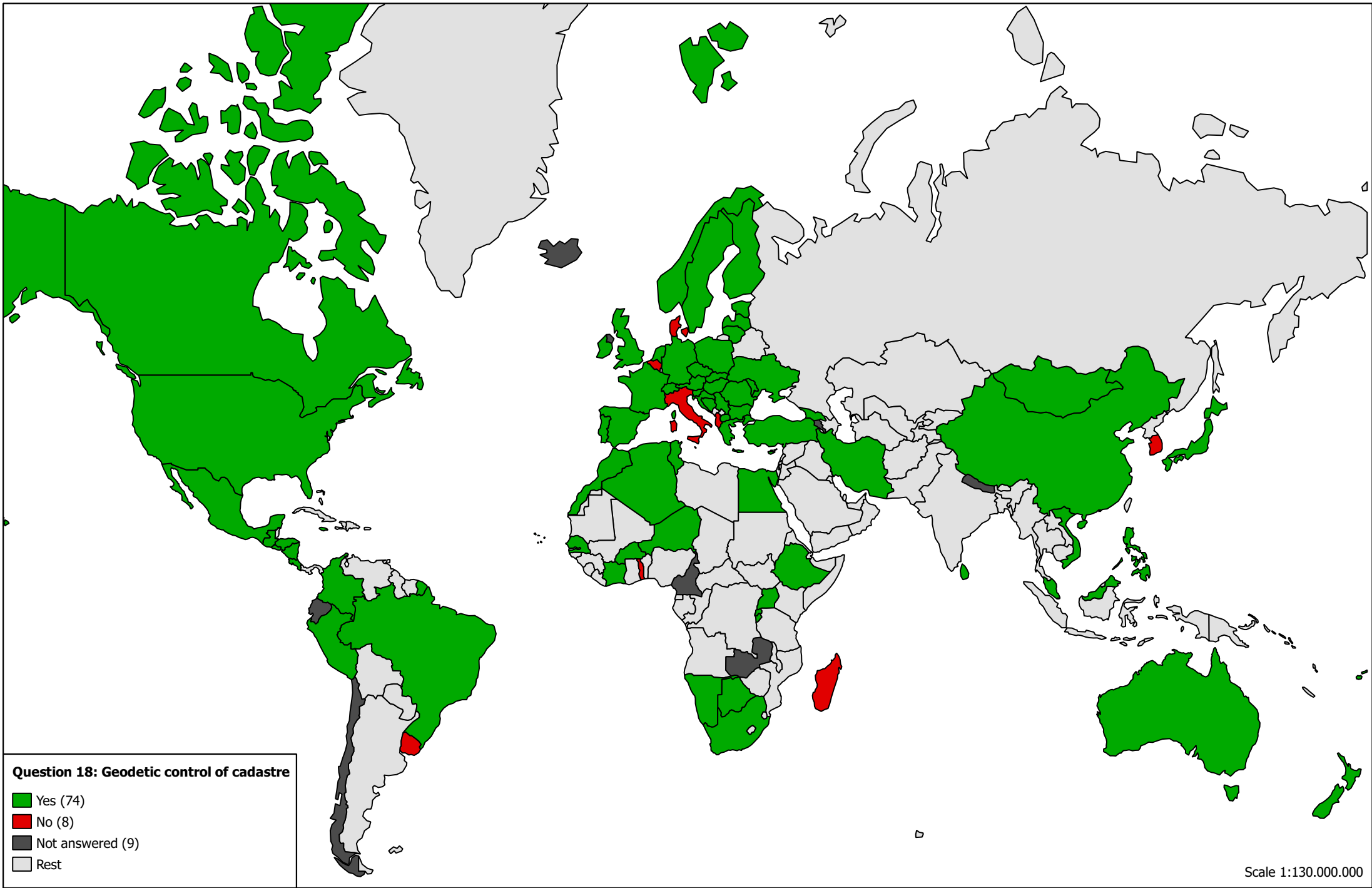


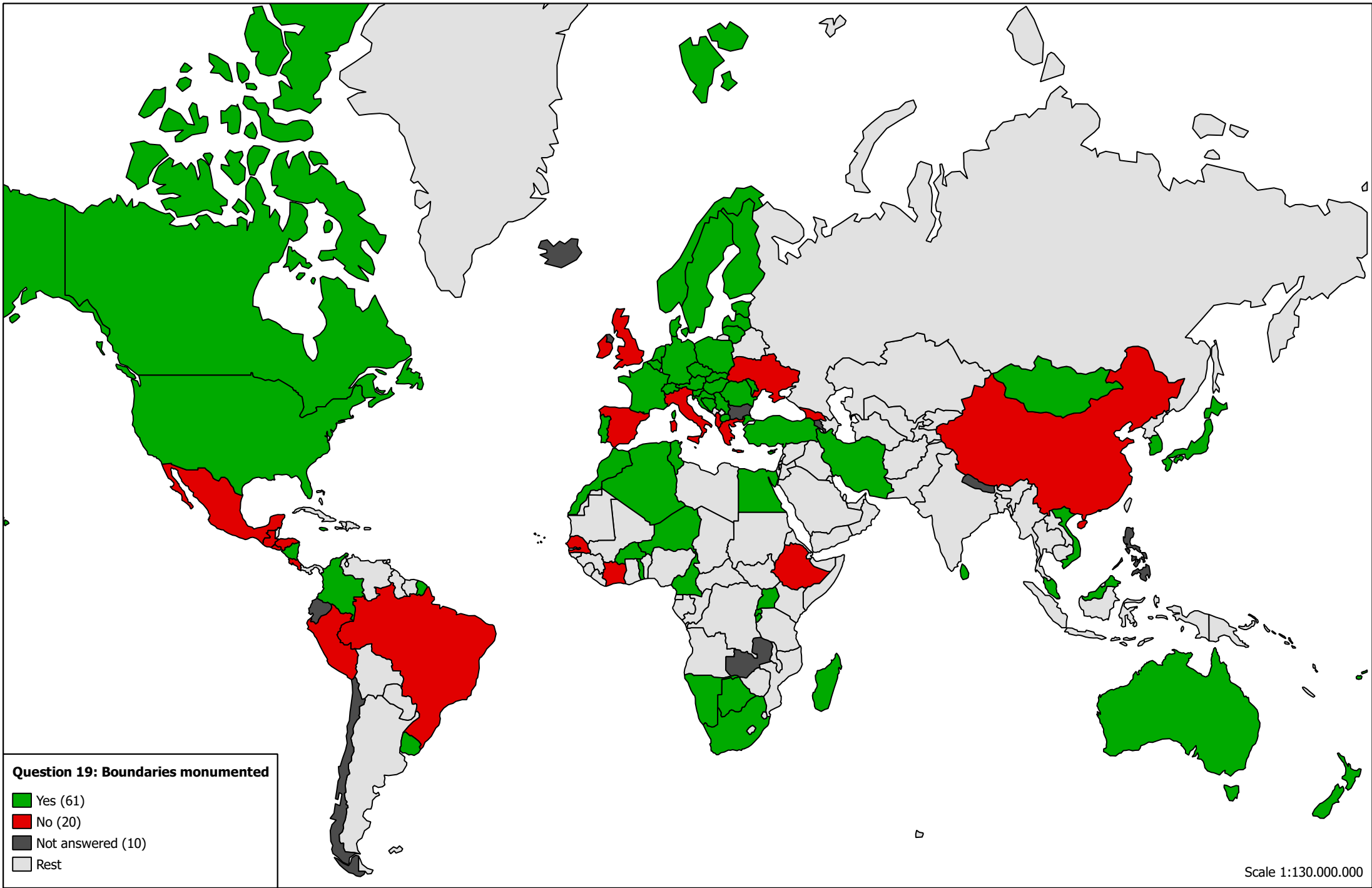




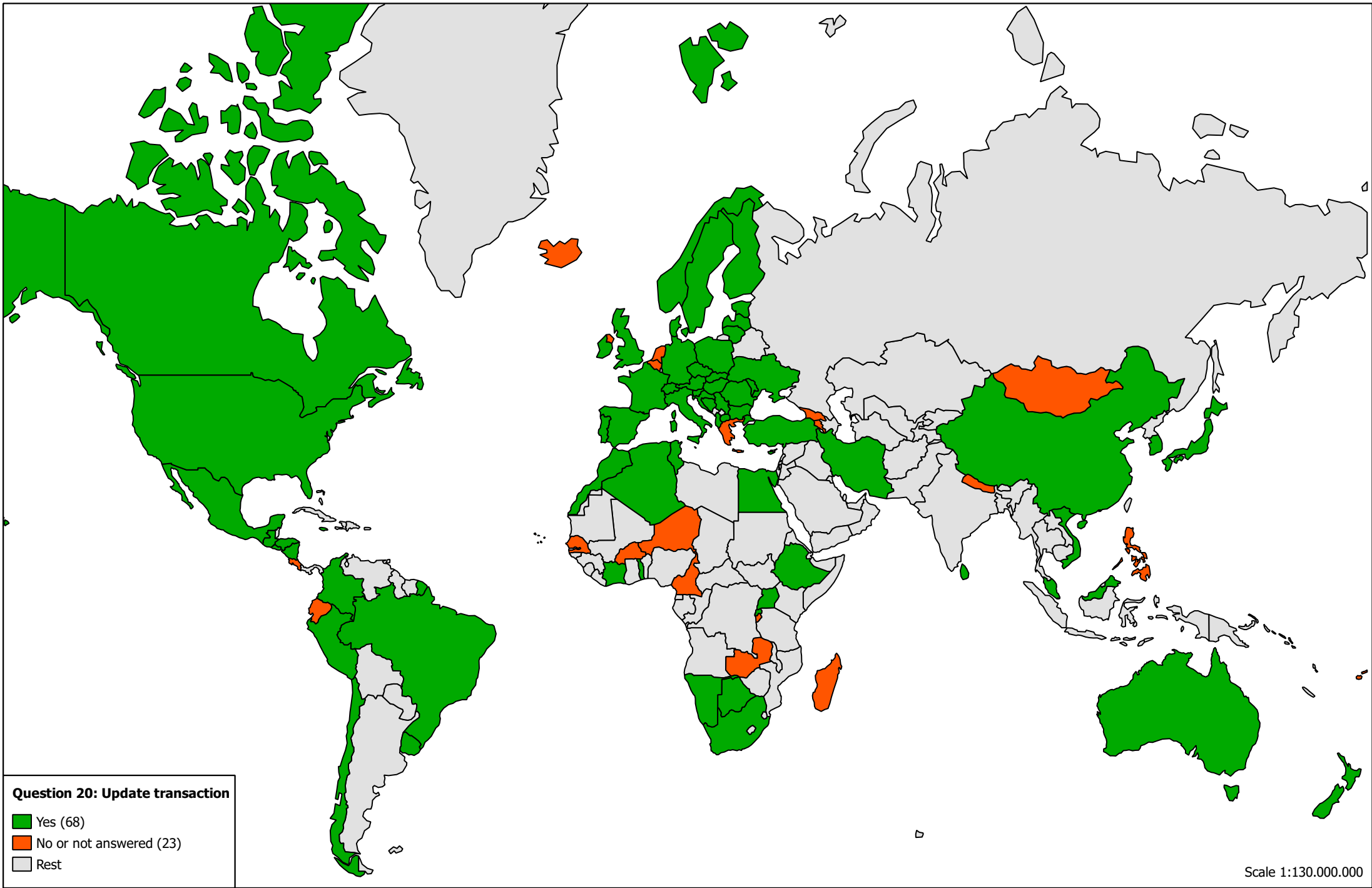


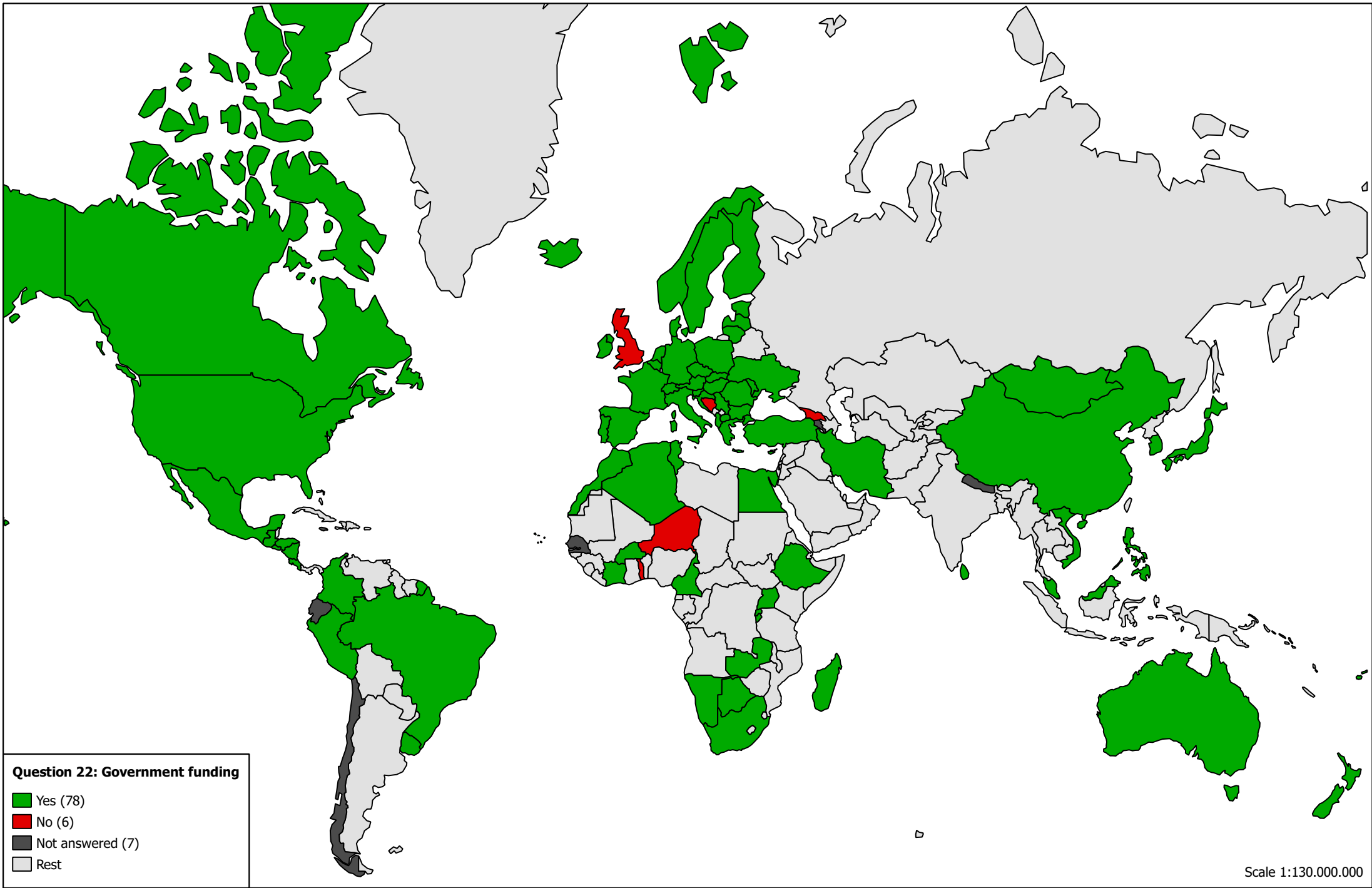


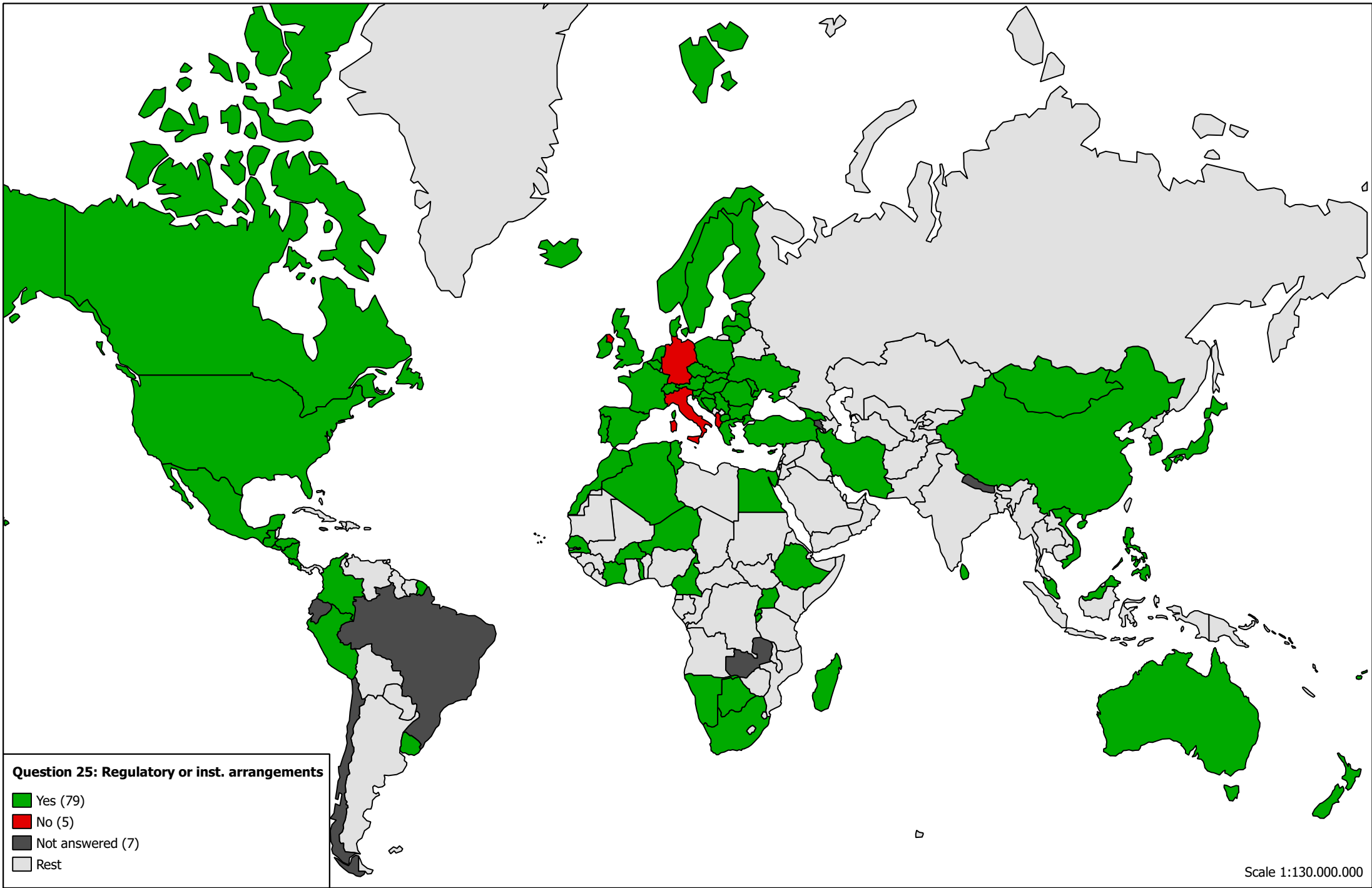


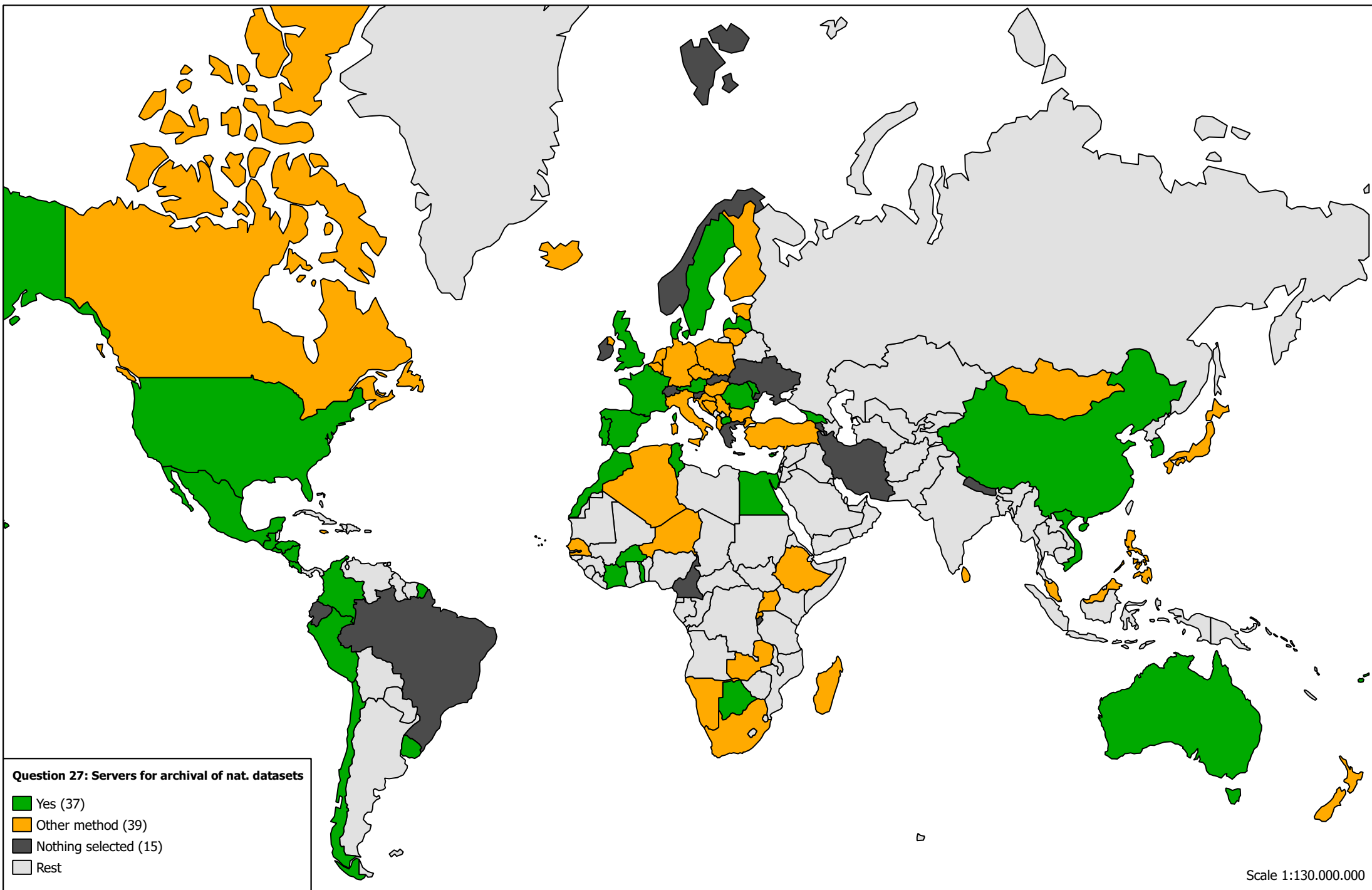






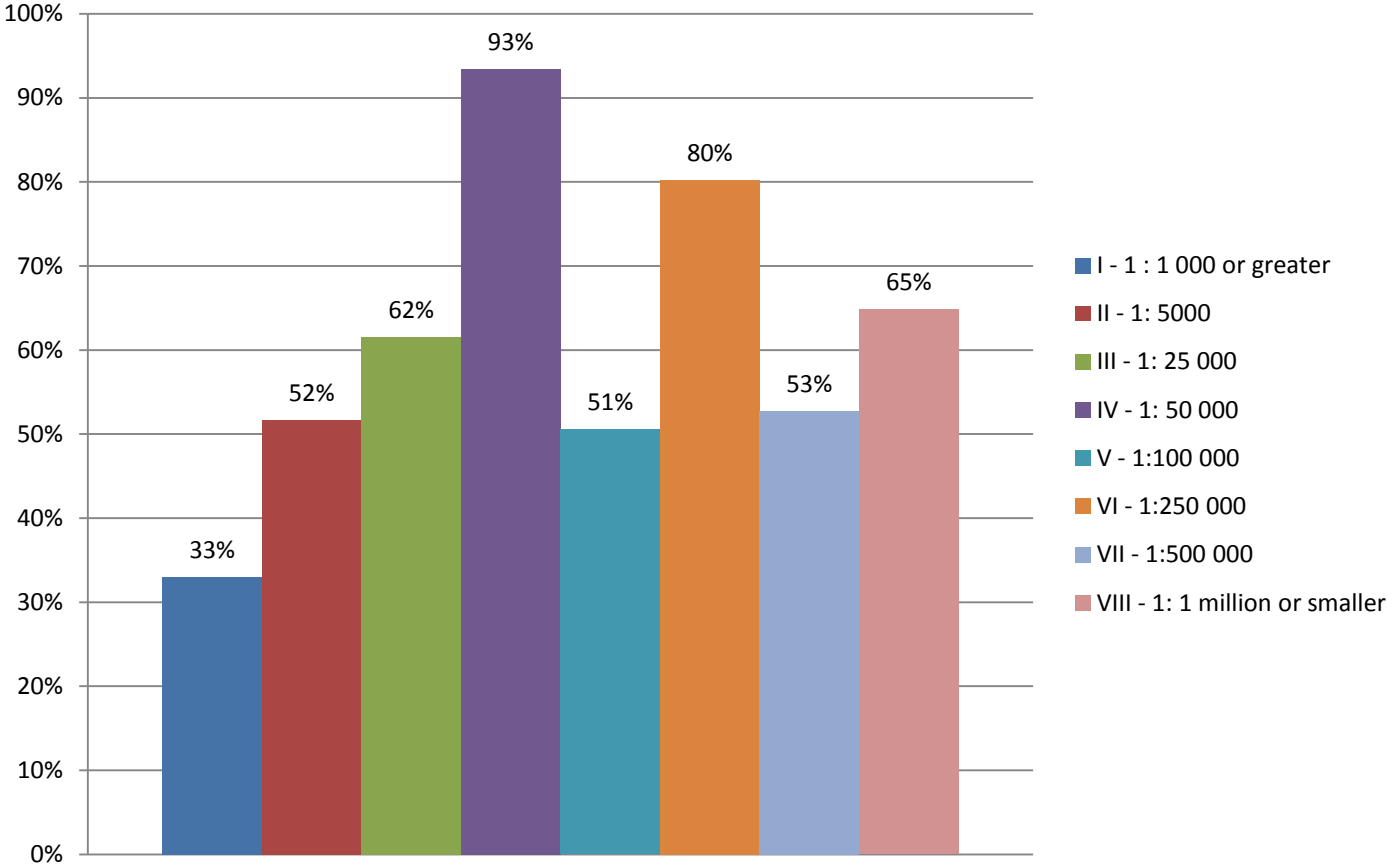




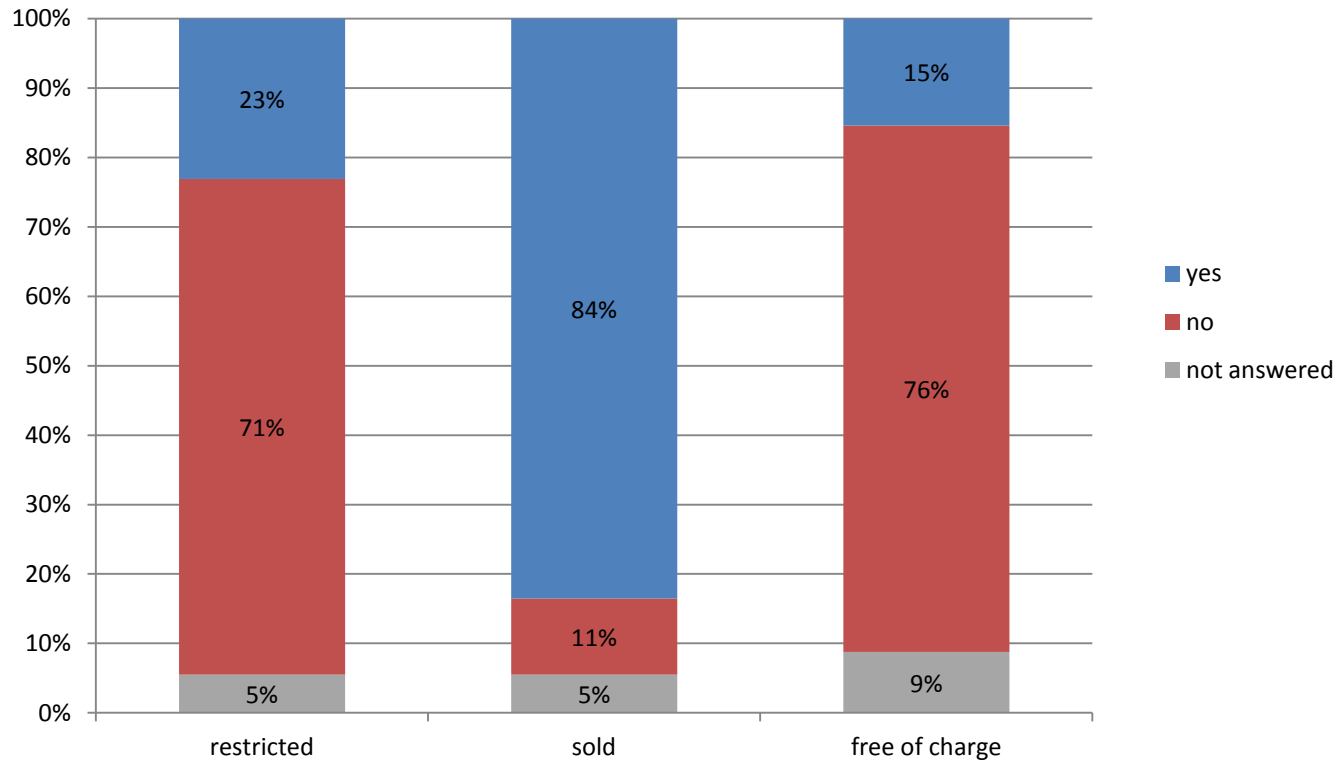


# Map scales used

(91 samples)

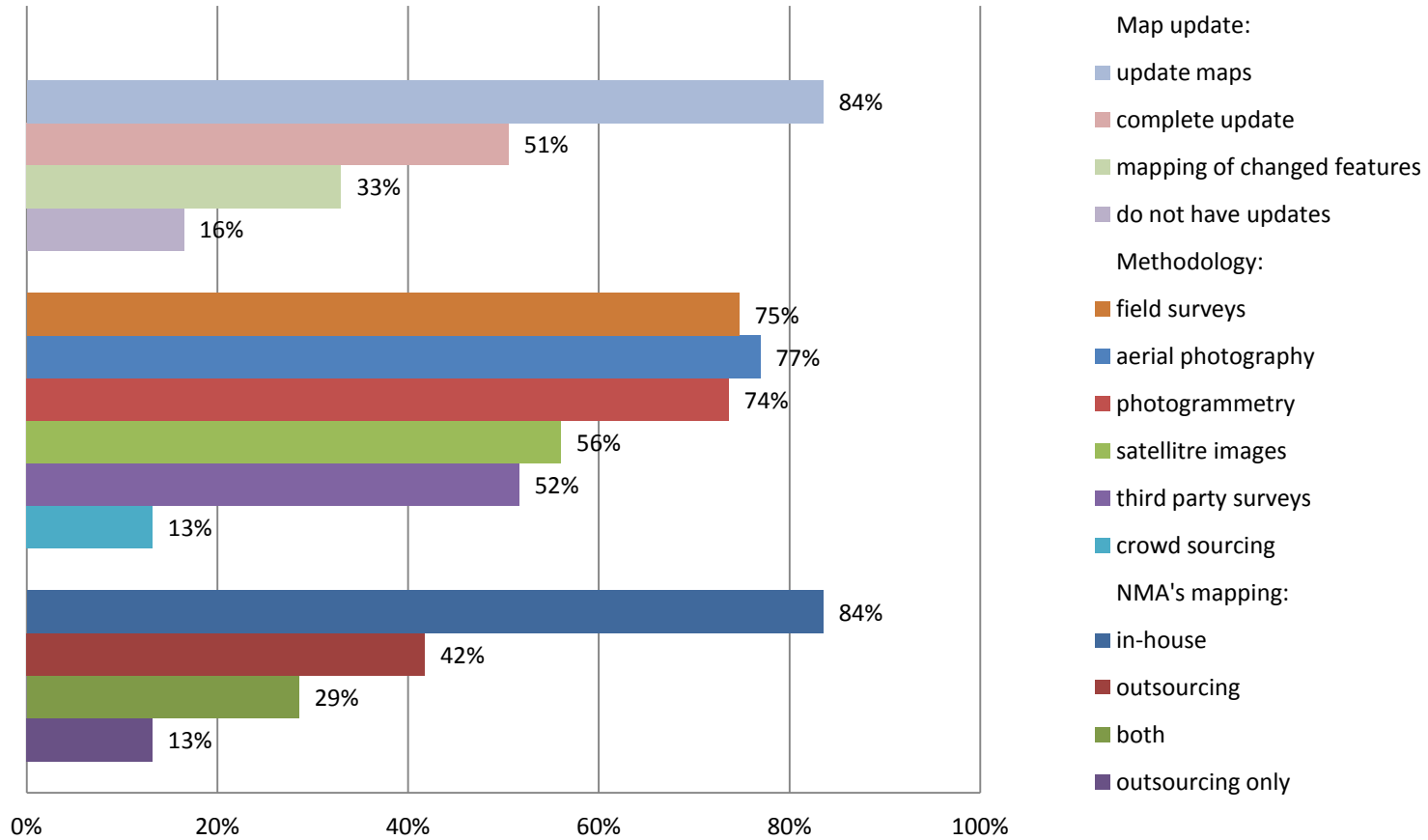


## Availability of data (91 Samples)



# Mapping and Update

(91 Samples)



Map update:

- update maps
- complete update
- mapping of changed features
- do not have updates

Methodology:

- field surveys
- aerial photography
- photogrammetry
- satellite images
- third party surveys
- crowd sourcing

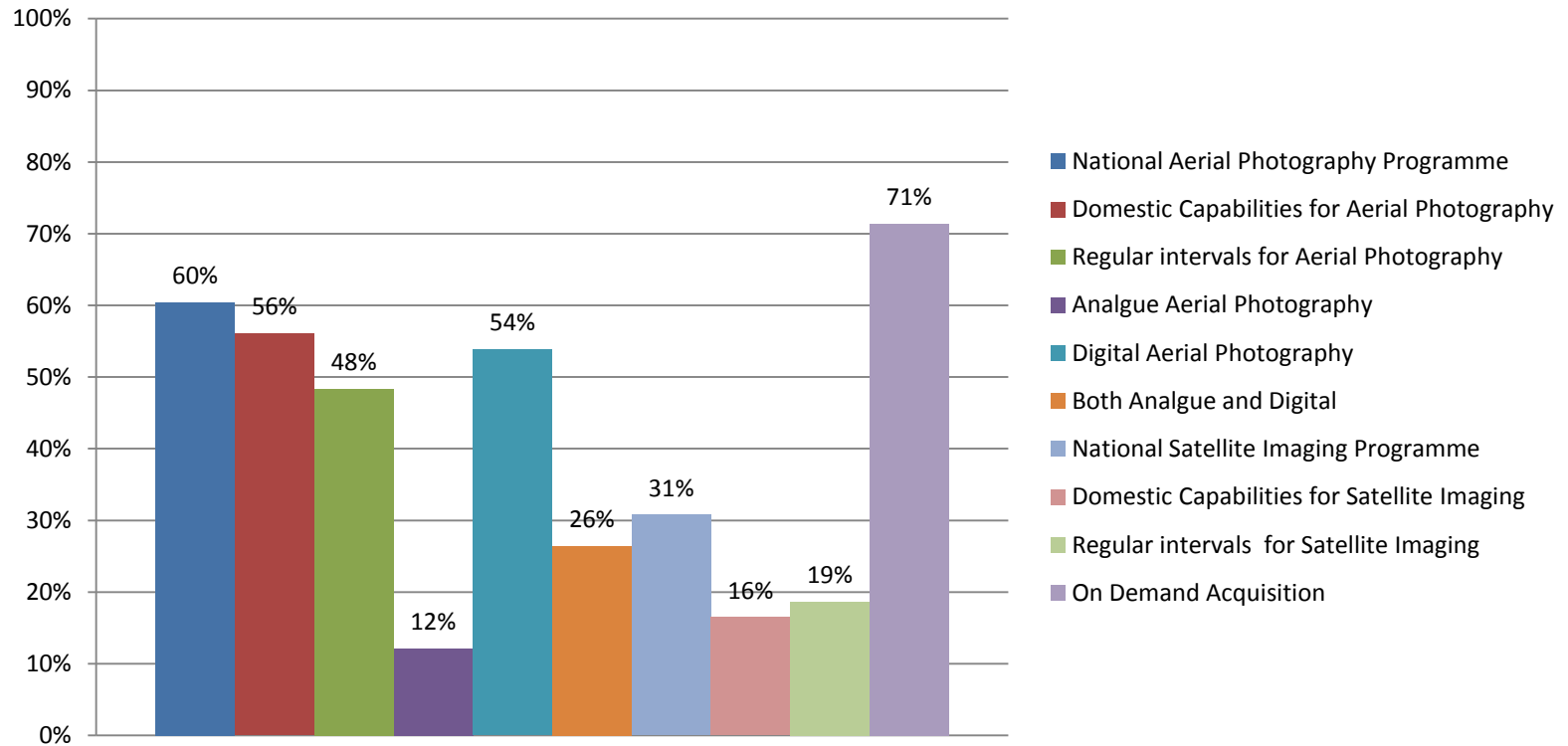
NMA's mapping:

- in-house
- outsourcing
- both
- outsourcing only

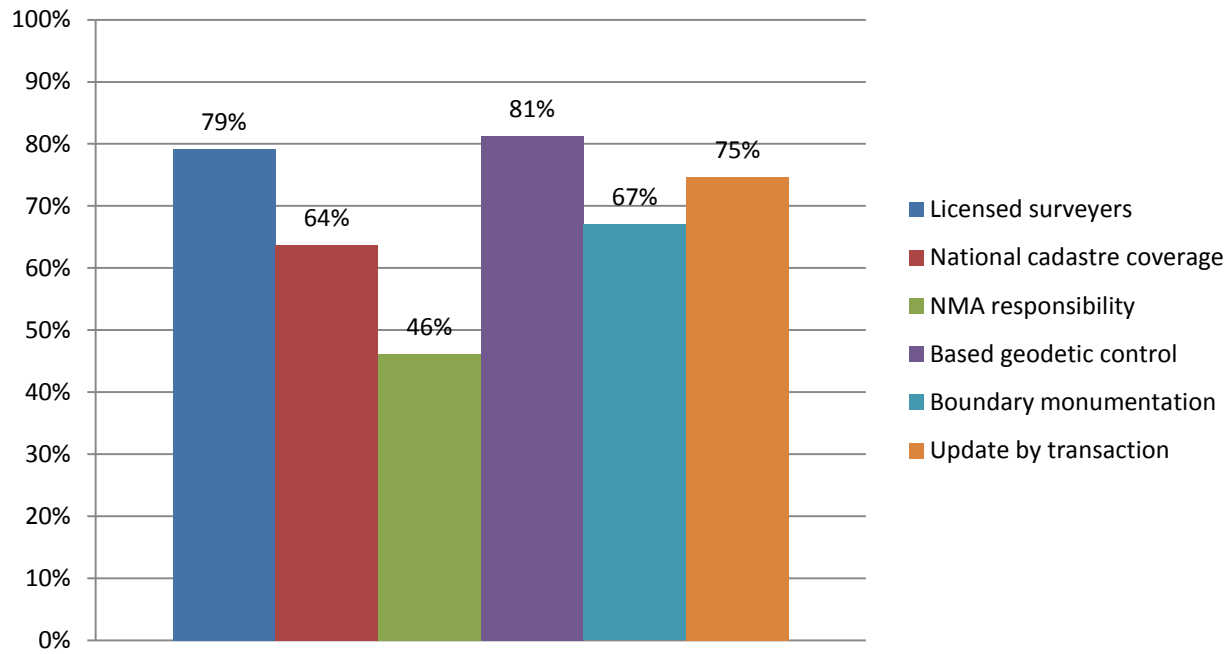


# National Aerial and Satellite Imaging Programs

(91 Samples)

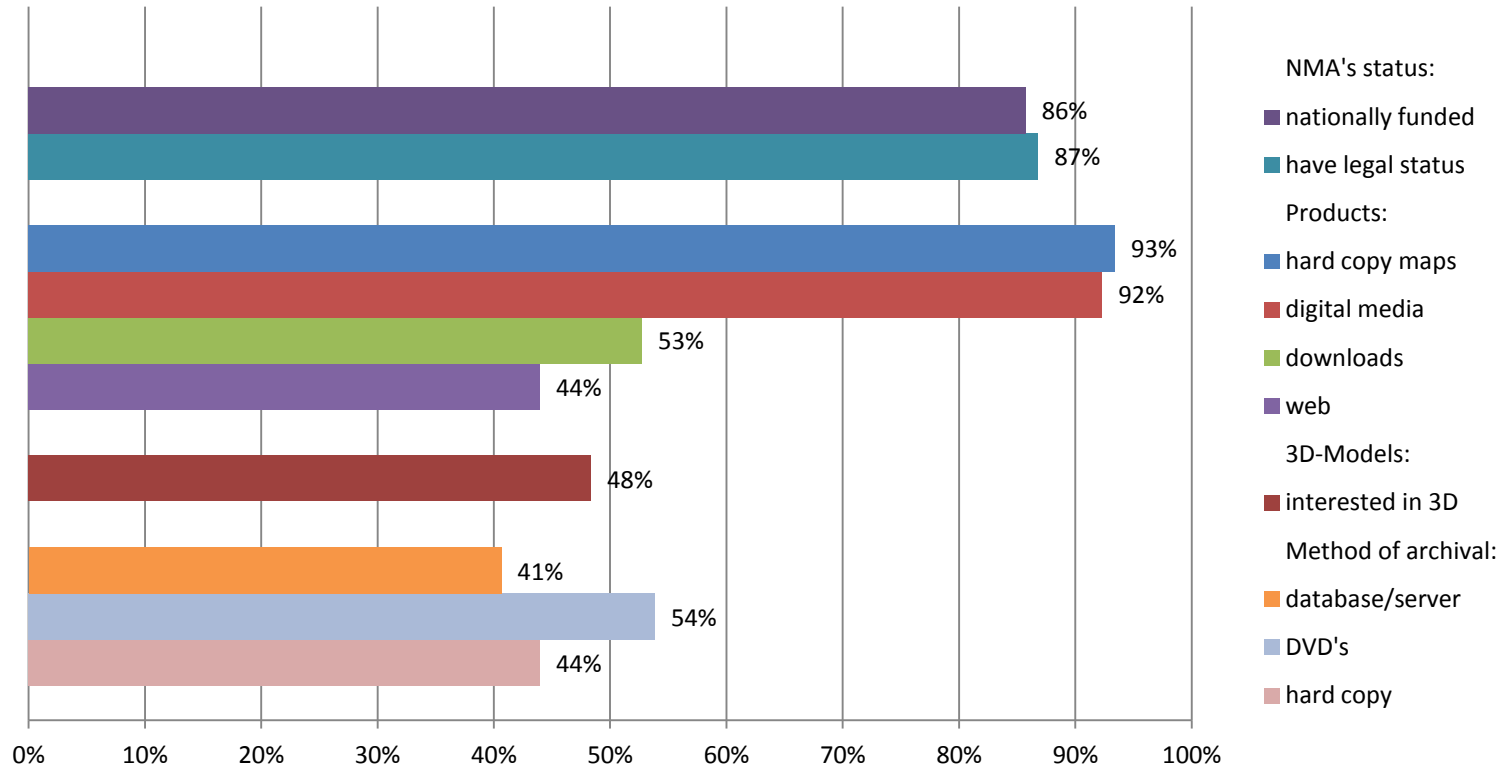


# Property Cadastre (91 Samples)



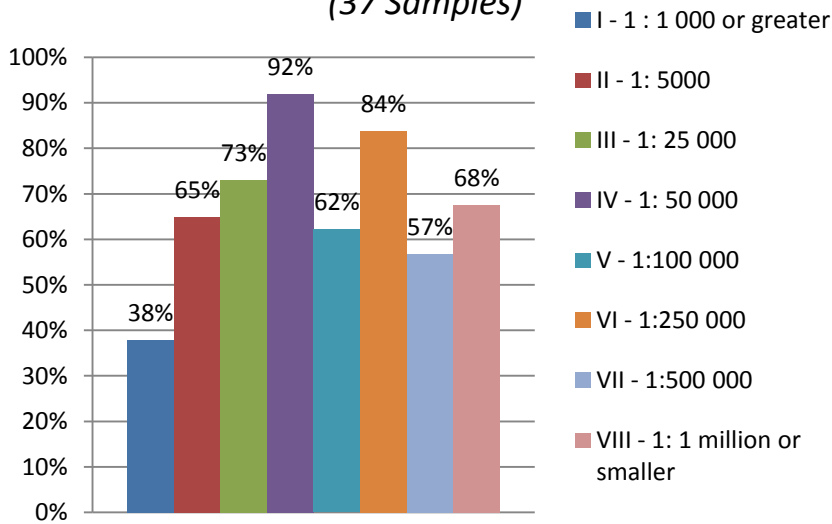
# NMA's Status, Map Products and Method of Archival

(91 Samples)



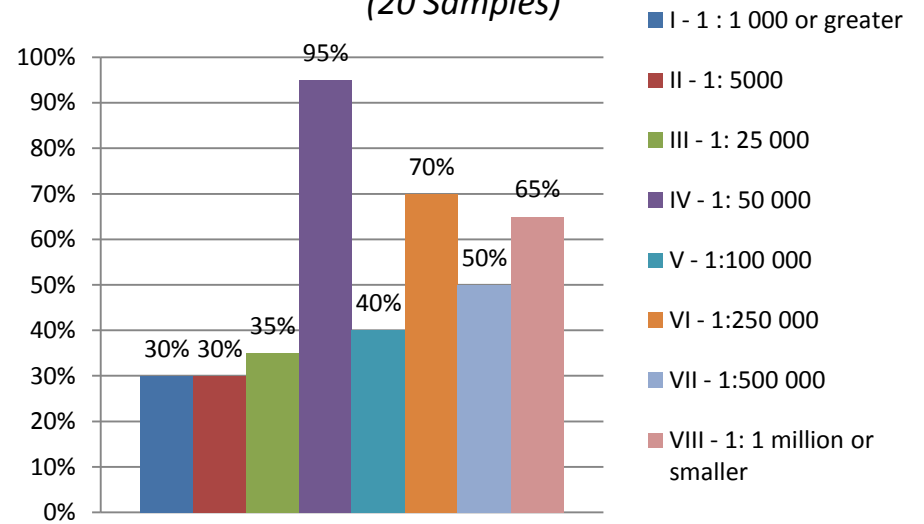
### Europe: Map scales used

(37 Samples)



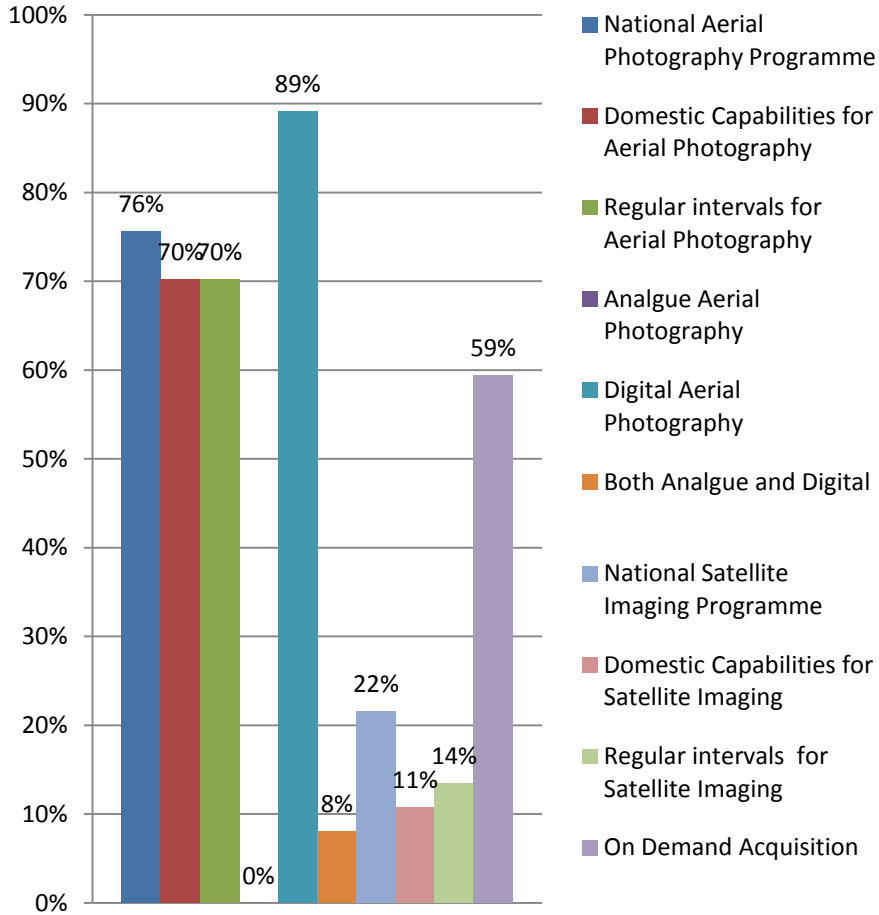
### Africa: Map scales used

(20 Samples)



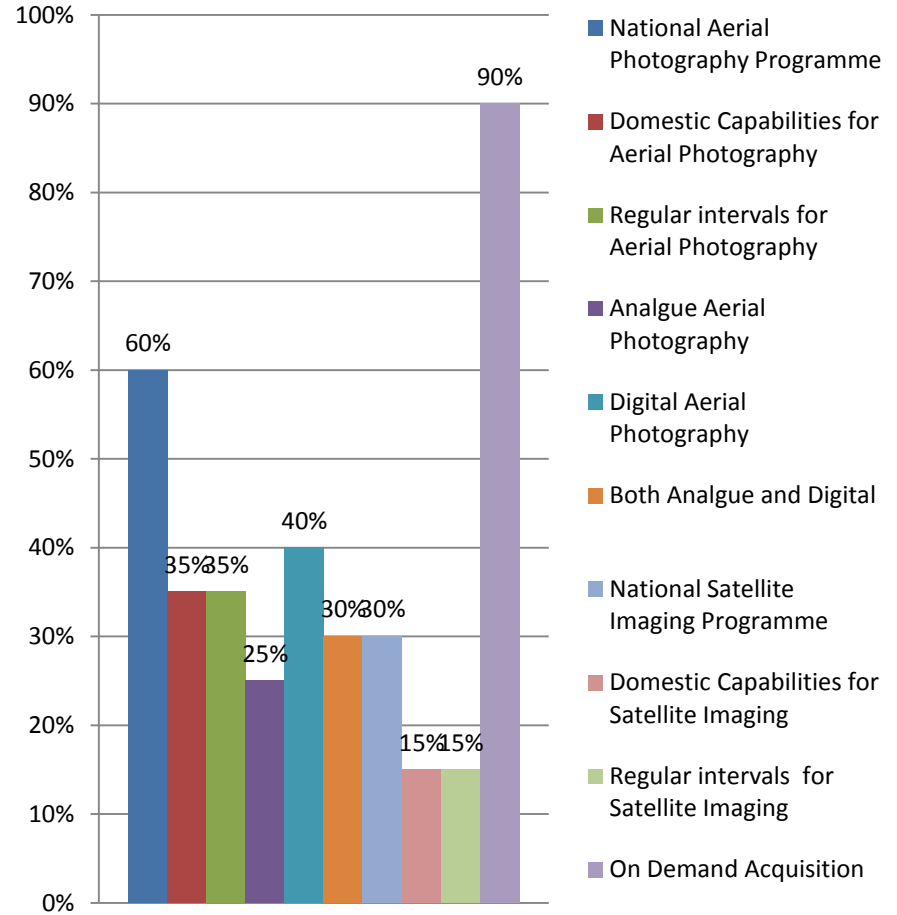
## Europe: National Aerial and Satellite Imaging Programs

(37 Samples)

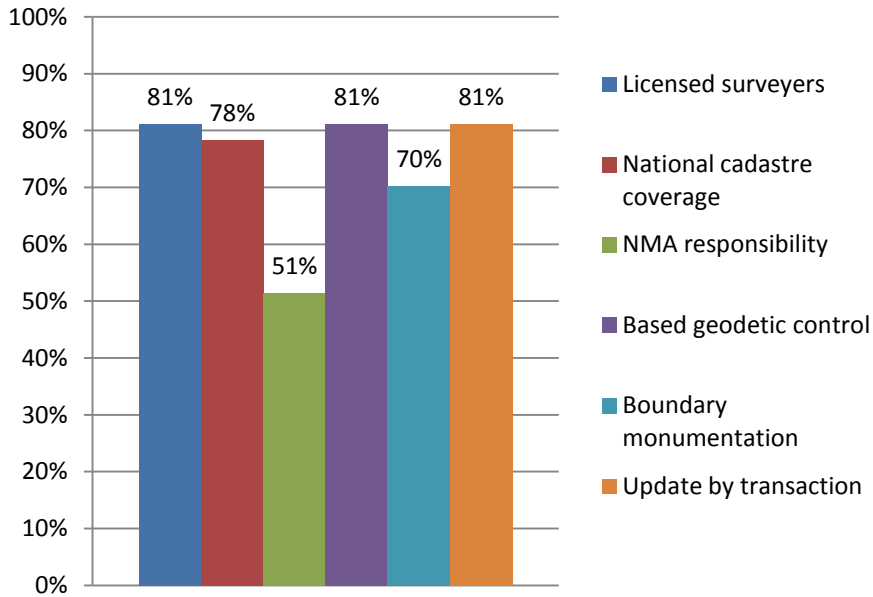


## Africa: National Aerial and Satellite Imaging Programs

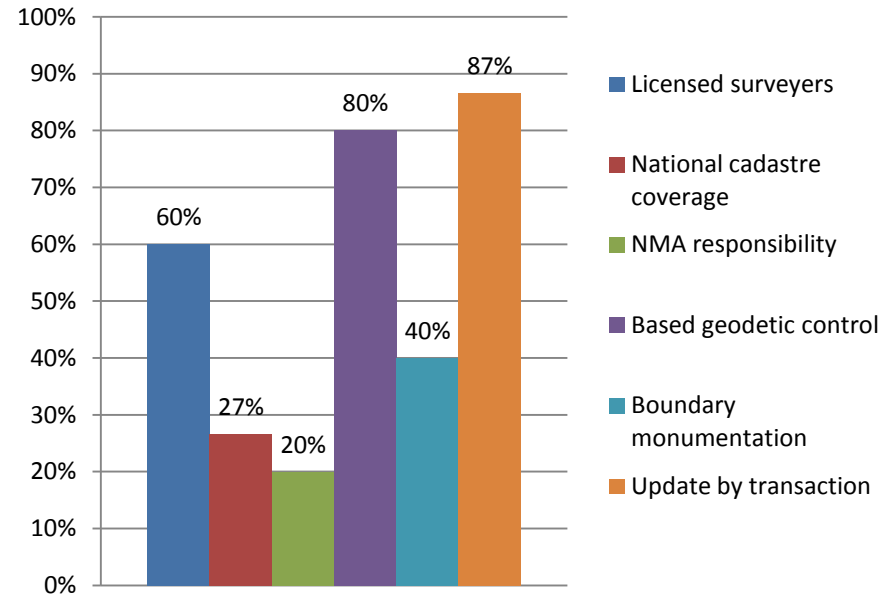
(20 Samples)



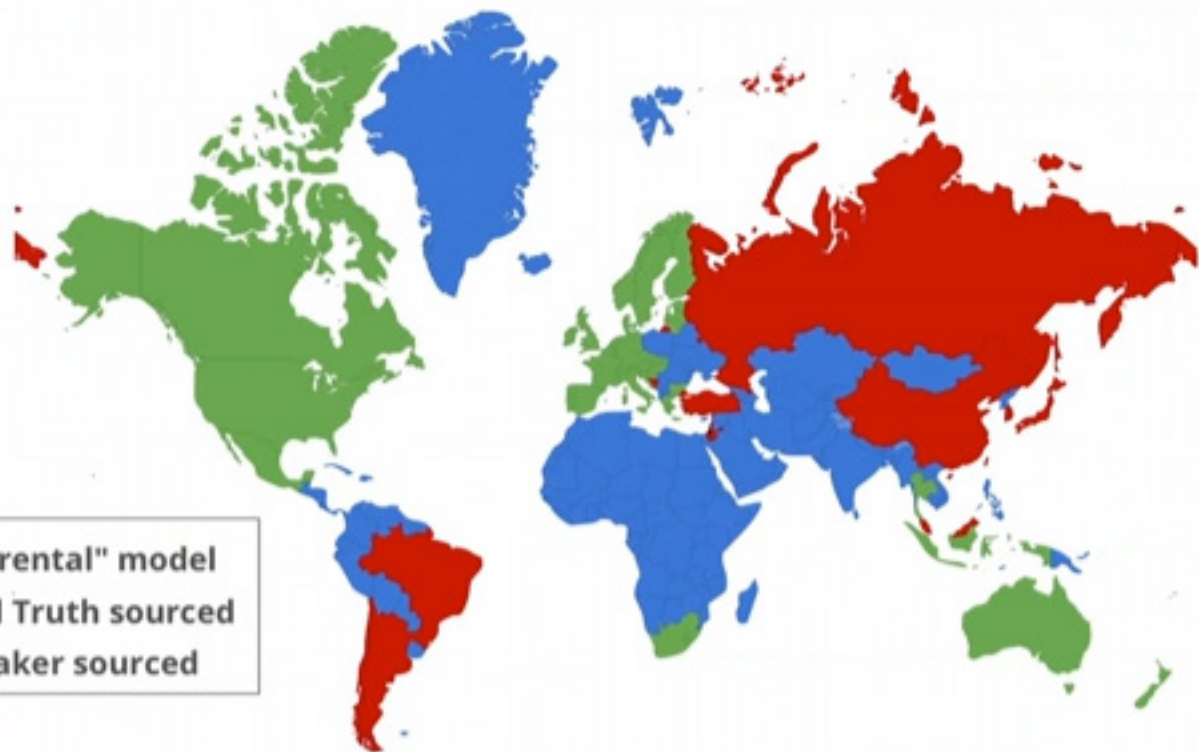
## Europe: Property Cadastre (37 Samples)



## The Americas: Property Cadastre (15 Samples)



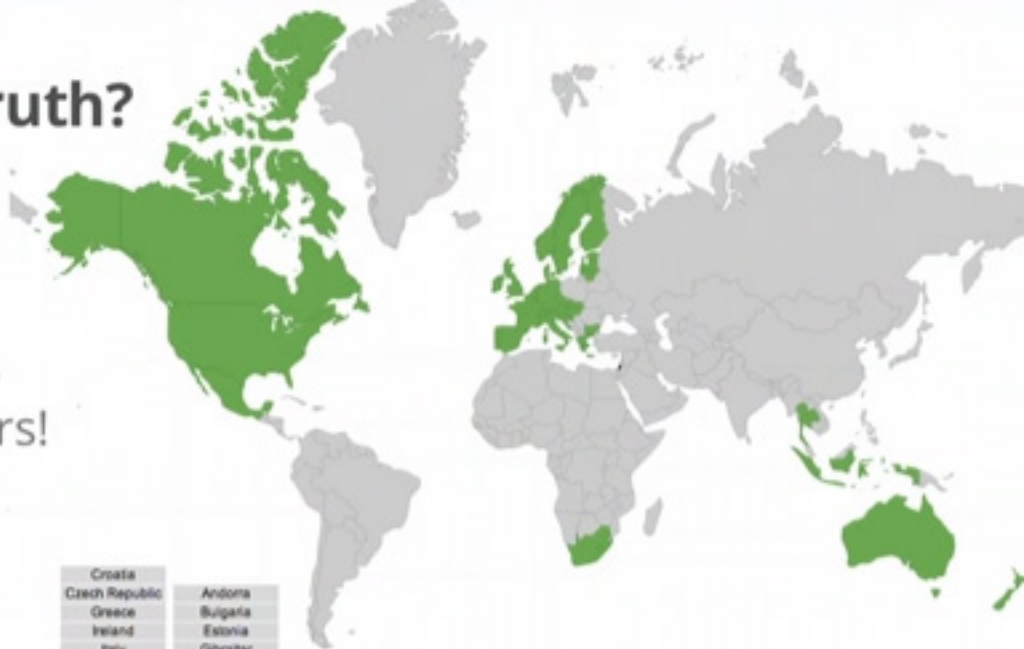
# WHERE is ~~Ground Truth~~ Google Maps?

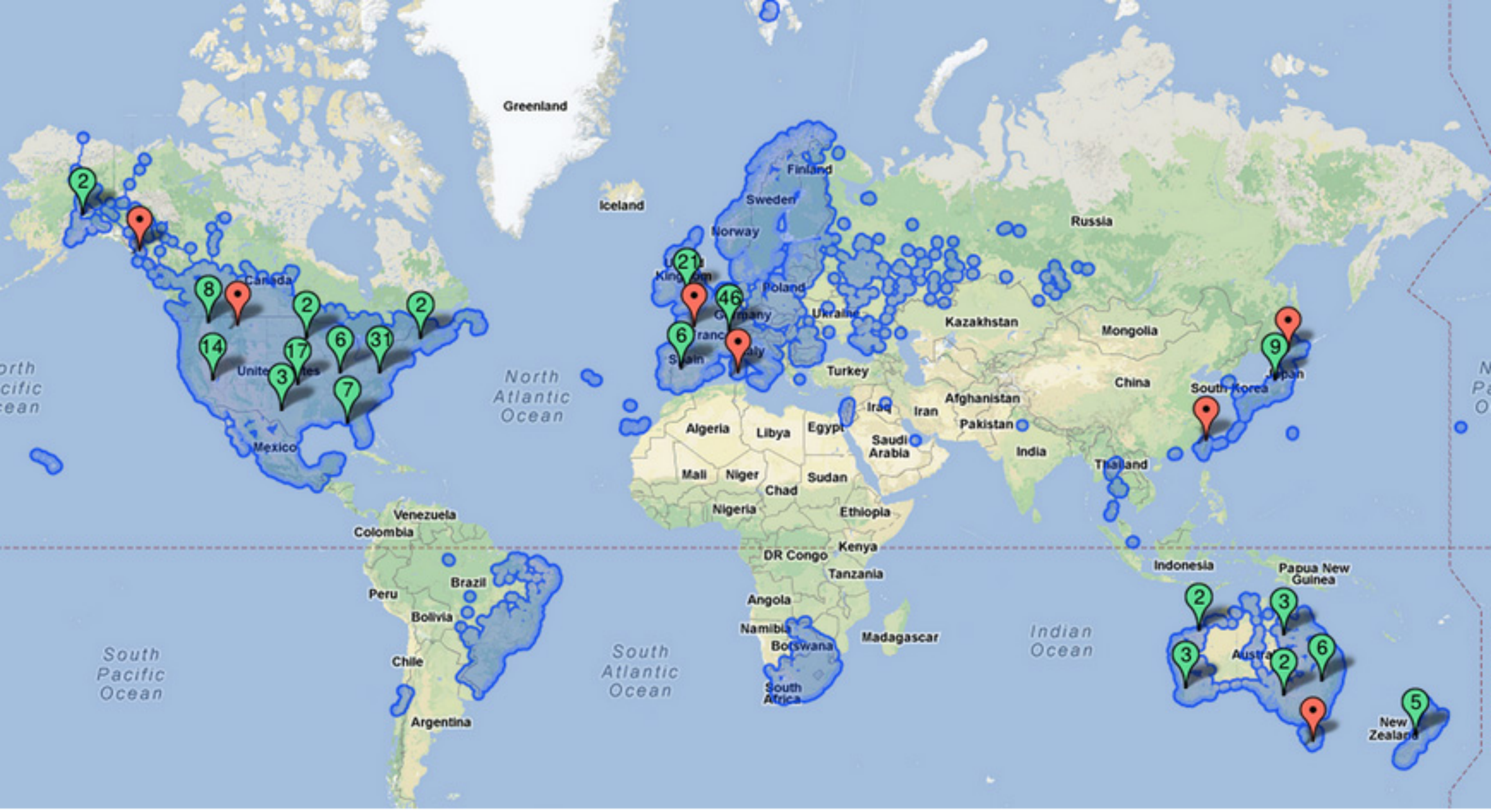




# WHERE Is Ground Truth?

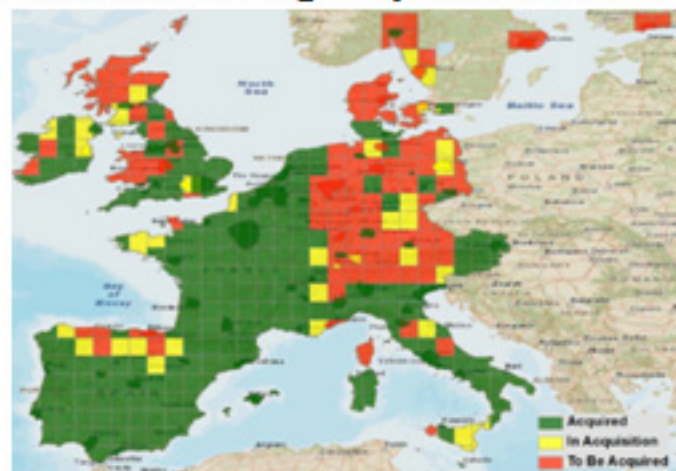
43 countries and regions,  
launched over past 5 years!







# Microsoft Bingmaps GSD 30cm



# Microsoft Bingmaps GSD 15cm



## Global Coverage Statistics

### Australia Q3/11

#### % Population Covered

100%

#### % Address Ranges

100%

#### Kms Covered

1,176,304

#### Points of Interest

170,208

#### Traffic Information

(Yes/No)

Yes



## Global Coverage Statistics

### Brazil Q3/11

#### % Population Covered

86%

#### % Address Ranges

86%

#### Kms Covered

1,150,077

#### Points of Interest

259,672

#### Traffic Information

(Yes/No)

Yes

NAVTEQ



CENTRAL / SOUTH  
AMERICA

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## Global Coverage Statistics

<b>China</b>
<b>% Population Covered</b>
93.78%
<b>% Address Ranges</b>
-
<b>Kms Covered</b>
2,540,000
<b>Points of Interest</b>
4,930,000
<b>Traffic Information (Yes/No)</b>
-





## Global Coverage Statistics

NAVTEQ

 EUROPE

Germany Q3/11

% Population Covered

100%

% Address Ranges

100%

Kms Covered

1,105,890

Points of Interest

541,602

Traffic Information

(Yes/No)

Yes



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## Global Coverage Statistics

India Q3/11

% Population Covered

100%

% Address Ranges

-

Kms Covered

1,190,623

Points of Interest

2,130,409

Traffic Information

(Yes/No)

No



## Global Coverage Statistics

NAVTEQ

Kenya Q3/11

% Population Covered

7%

% Address Ranges

-

Kms Covered

59,888

Points of Interest

15,514

Traffic Information

(Yes/No)

-



 AFRICA

[Go Back](#)

## Global Coverage Statistics

NAVTEQ

USA Q3/11

% Population Covered

100%

% Address Ranges

100%

Kms Covered

8,810,136

Points of Interest

2,187,469

Traffic Information  
(Yes/No)

Yes



NORTH AMERICA

Puerto Rico



Virgin Islands



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## Global Coverage Statistics

 EUROPE

NAVTEQ

Russia Q3/11

% Population Covered

71%

% Address Ranges

53%

Kms Covered

2,177,103

Points of Interest

414,609

Traffic Information

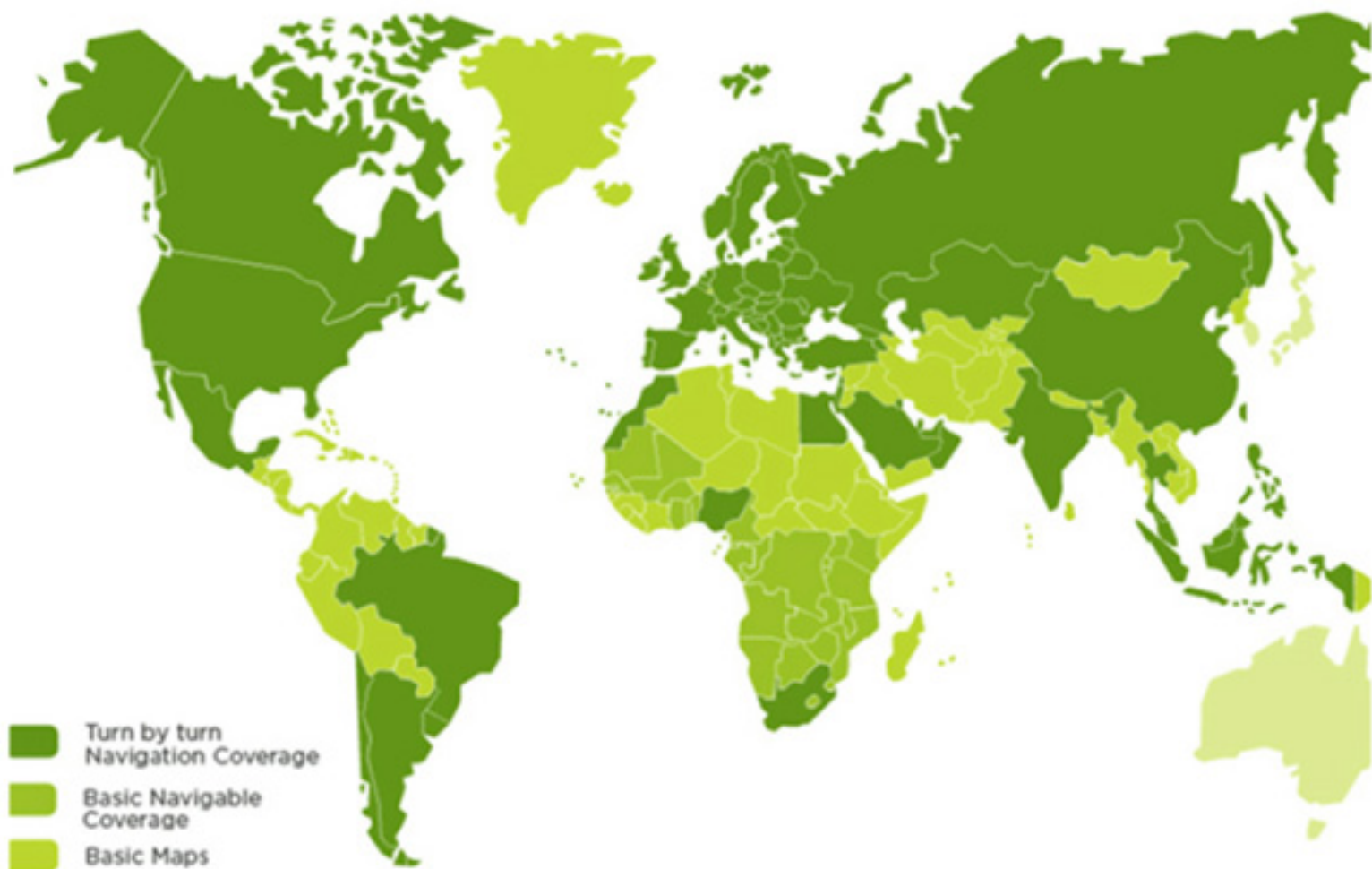
(Yes/No)

Yes



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[View A Timeline Of Events >>](#)

