



SATELLITES FOR SOCIETY

FOCUS ON POLAND

REPORTING ON OPERATIONAL USES OF SATELLITE-BASED
SERVICES IN THE PUBLIC SECTOR



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NEREUS-Workshop in the Podkarpackie-Region , 10 May 2017

Non-for-profit association of space agencies



Raise awareness

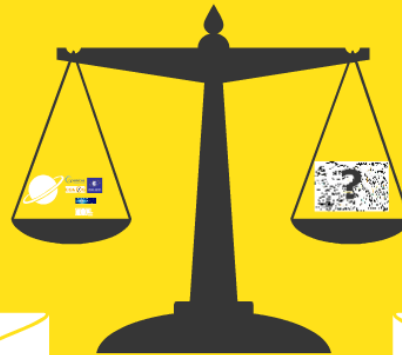
**Support end users of
satellite-based services**

Direct User Testimonials



About the survey

How does civil society benefit from investments in the space sector?



justify investments



March - September 2015

Ankieta dla podmiotów publicznych

Operacyjne użytkowanie usług opartych na danych satelitarnych przez sektor publiczny



Questionnaire for Public Authorities



Part A – The Public Service Body	Implementation frameworks	2
Part B – The Satellite-Solution: Motivations and framework.....		3
Part C – The Satellite-Solution: Costs and operation	Processes/ Challenges/	4
Part D – Benefits for users and society	User needs	8
Part E – Challenges for the public service body	Benefits: public services/ costs/	10
Part F – Contact details of the person filling the questionnaire	environment & society	11

The online survey

1st Survey Rollout 10th March - 15th September 2015

**49 replies
from Poland**



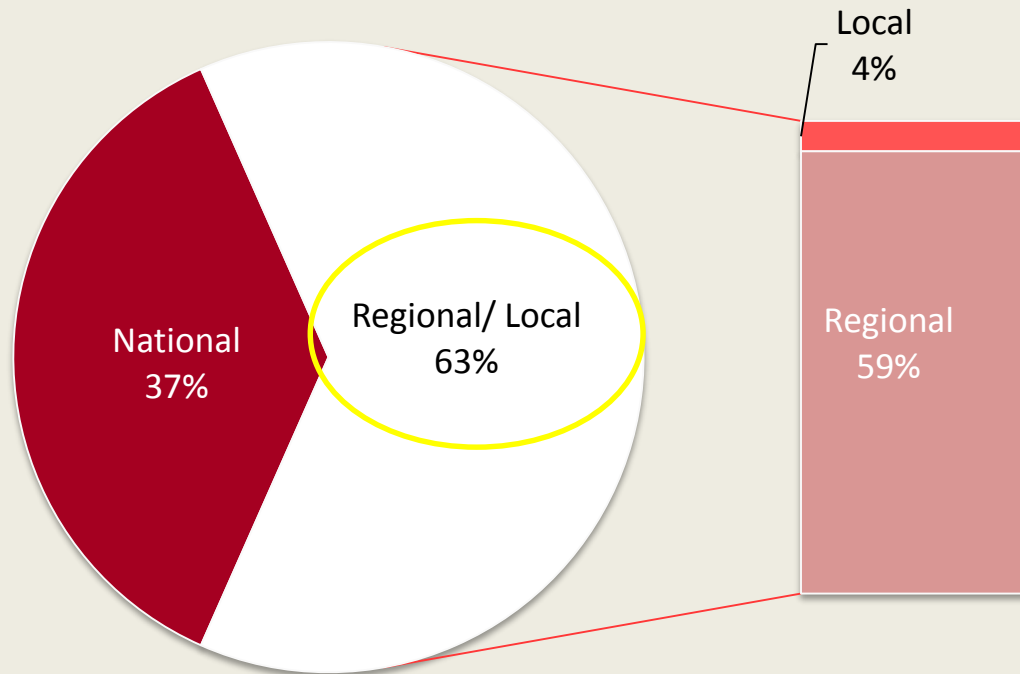
Ministerstwo Rozwoju





Analysis on 49 replies The Public Authorities

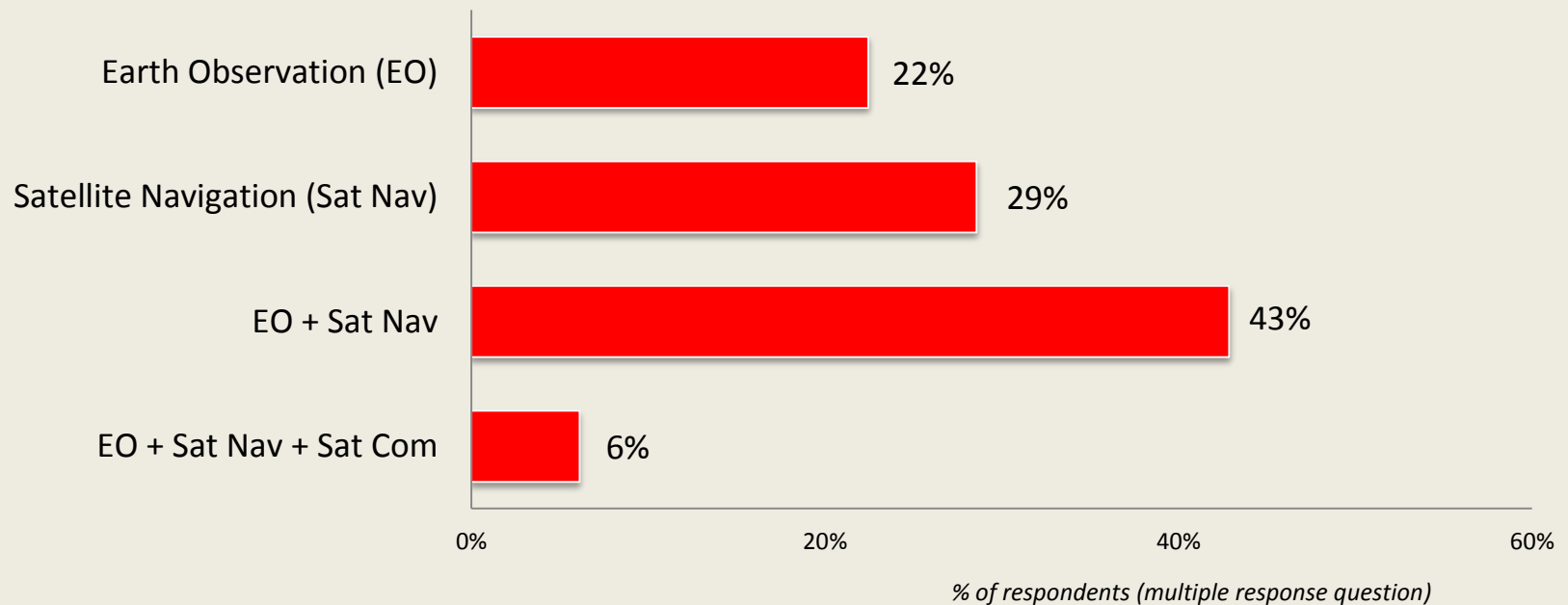
Public organisations' main level of authority



Analysis on 49 replies

The Satellite-based services

Kind of satellite applications used by public administrations



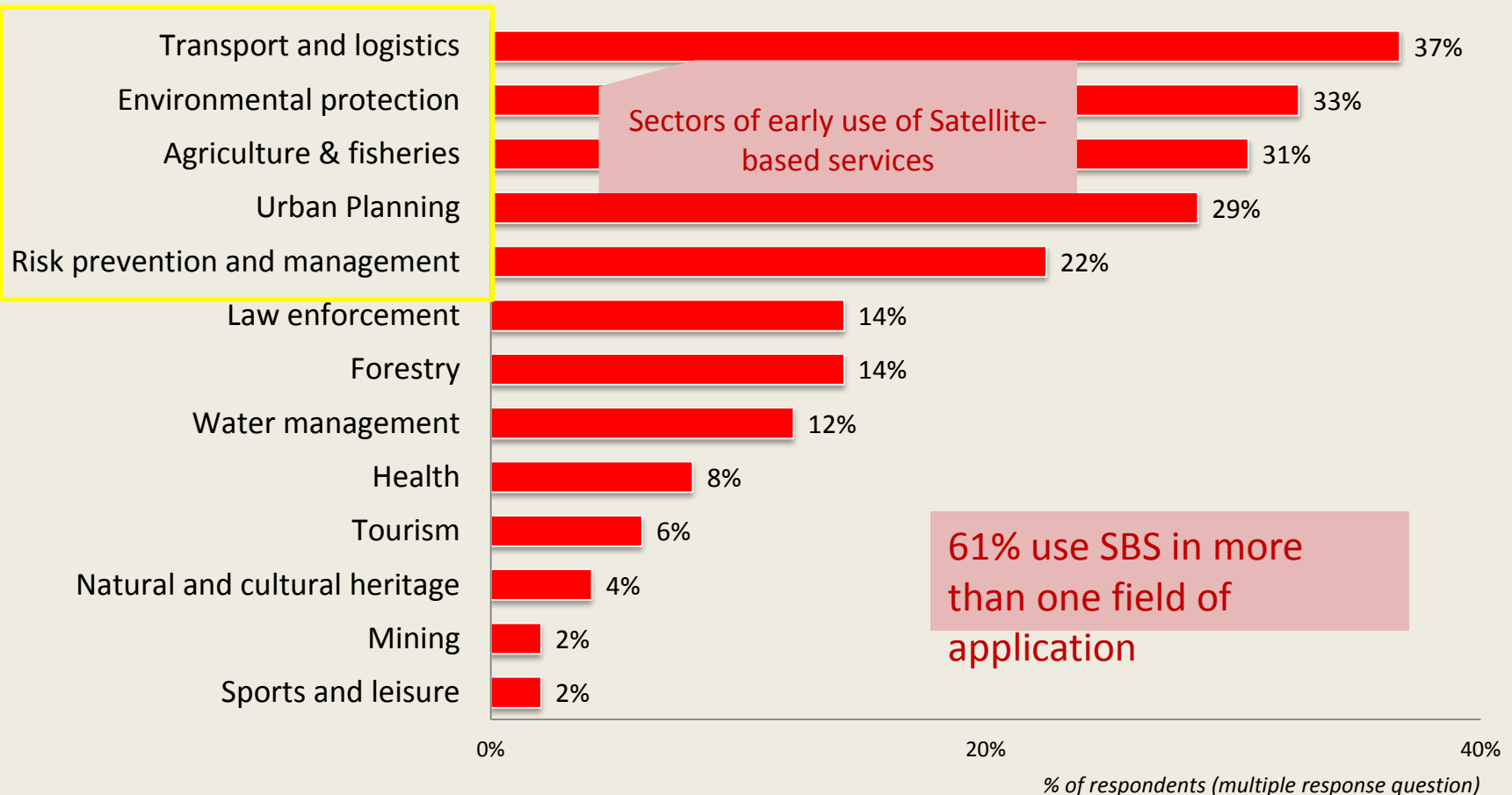
78% of respondents use satellite navigation

71% of respondents use EO

Analysis on 49 replies

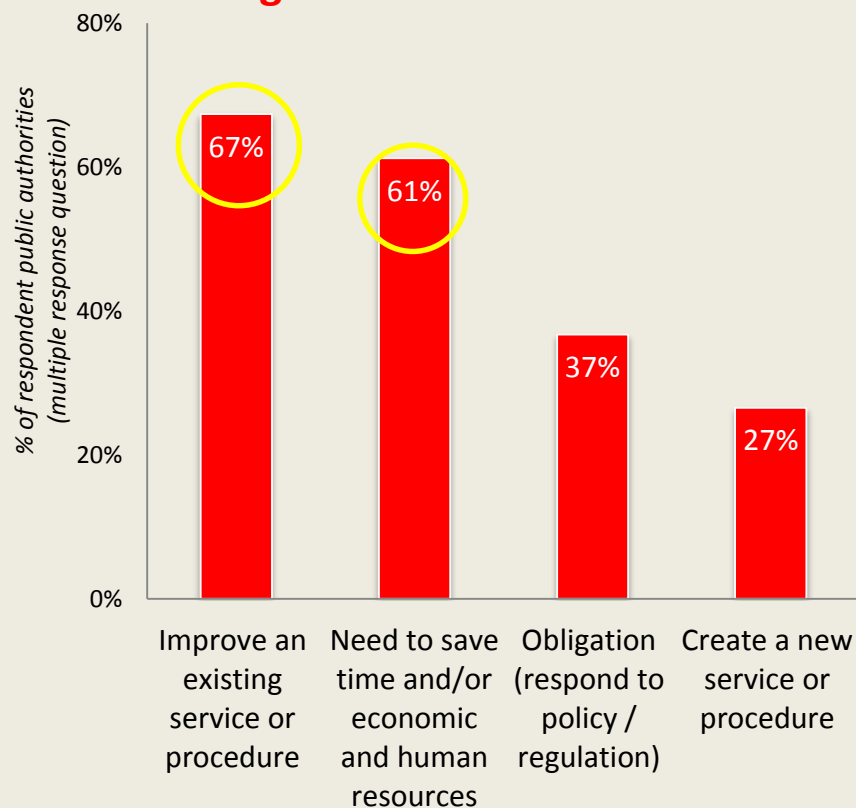
The Satellite-based services

Fields of use of satellite-based services reported by public administrations



The development of new satellite-based services for the public sector should take into account **current needs, workflows and the organisational structure of public administrations.**

Drivers and motivations to start using satellite-based services



Satellite-based services used to replace previous systems to perform the same tasks

Does not know/ No reply - 20%

No - 24%

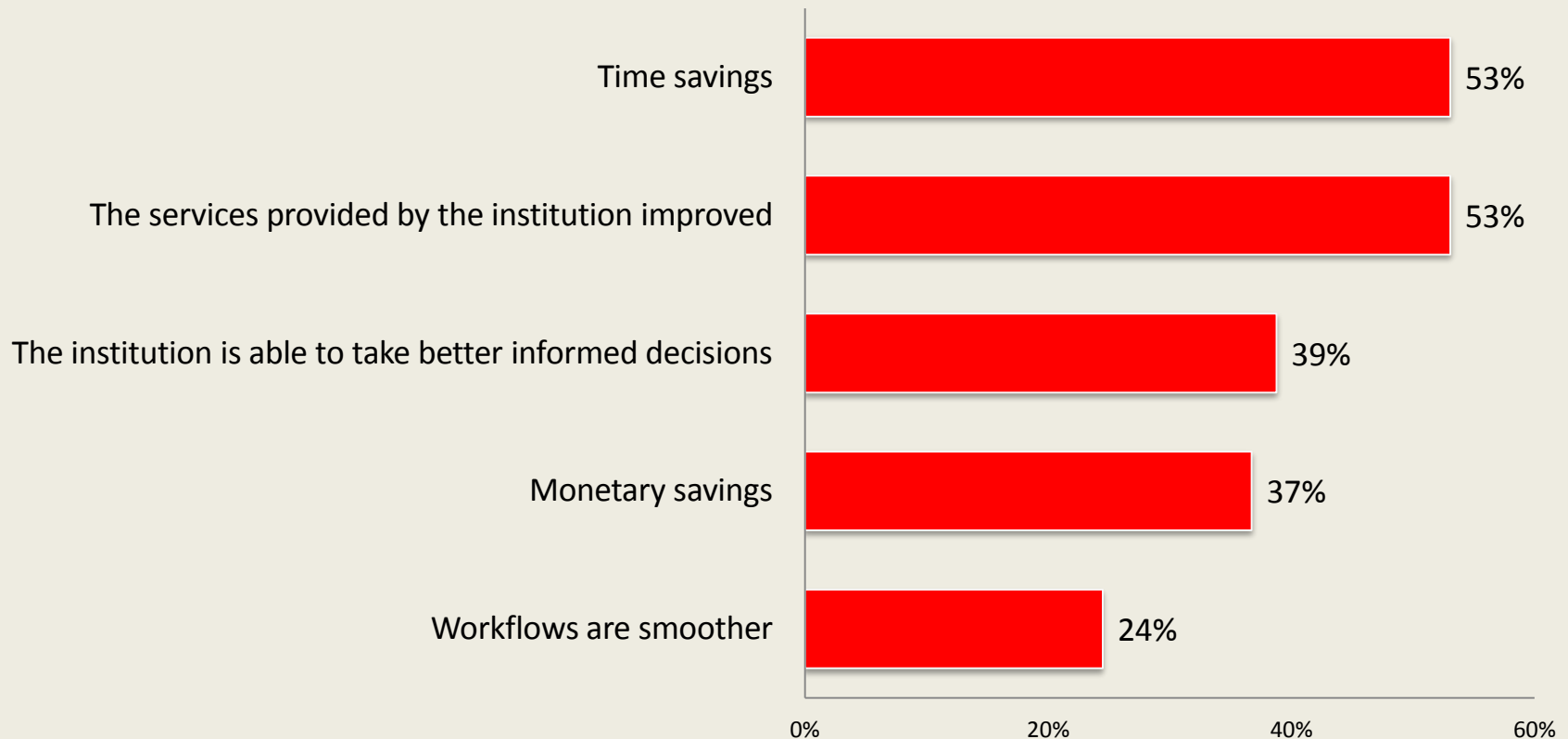
Yes, fully - 4%

Yes, partially (the satellite service was used to improve the existing system) - 51%

Analysis on 49 replies

Benefits of using satellite-based services

Benefits derived from the use of the services

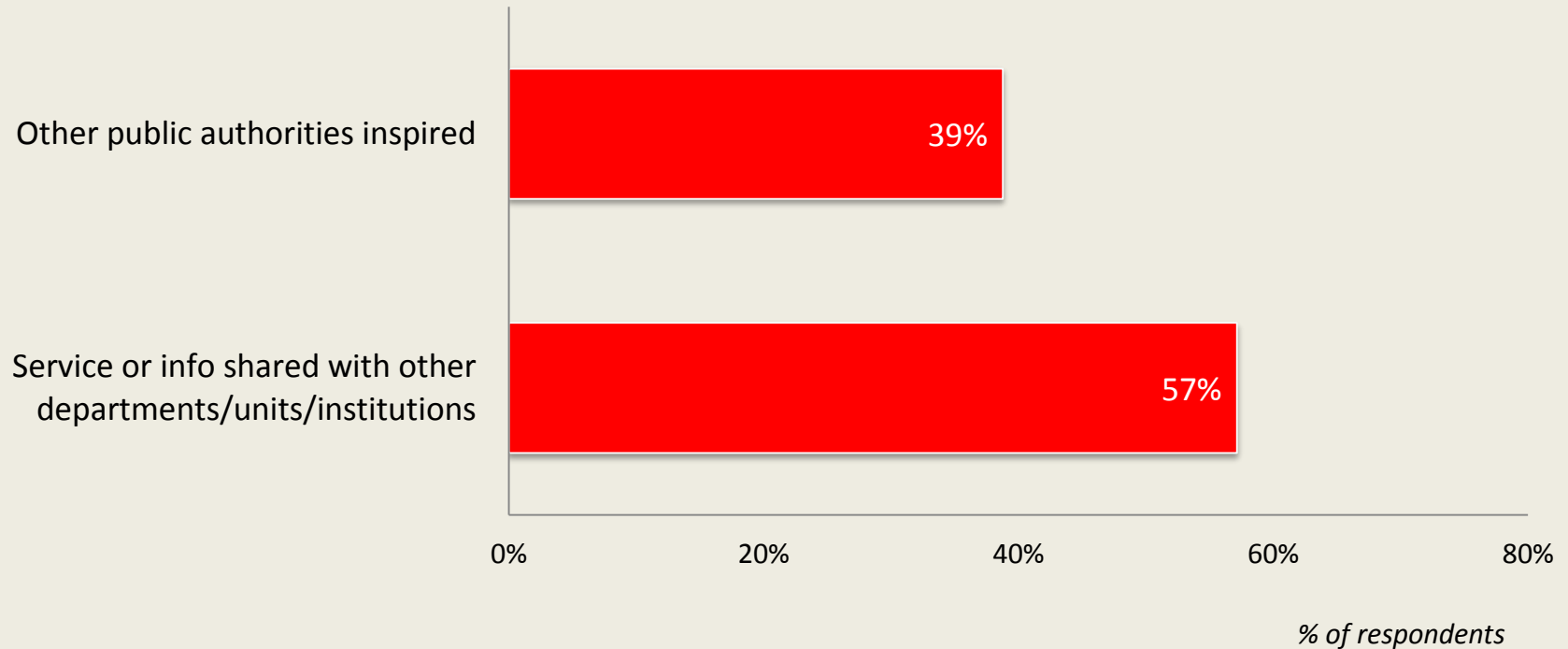


% of respondents (multiple response question)

Analysis on 49 replies

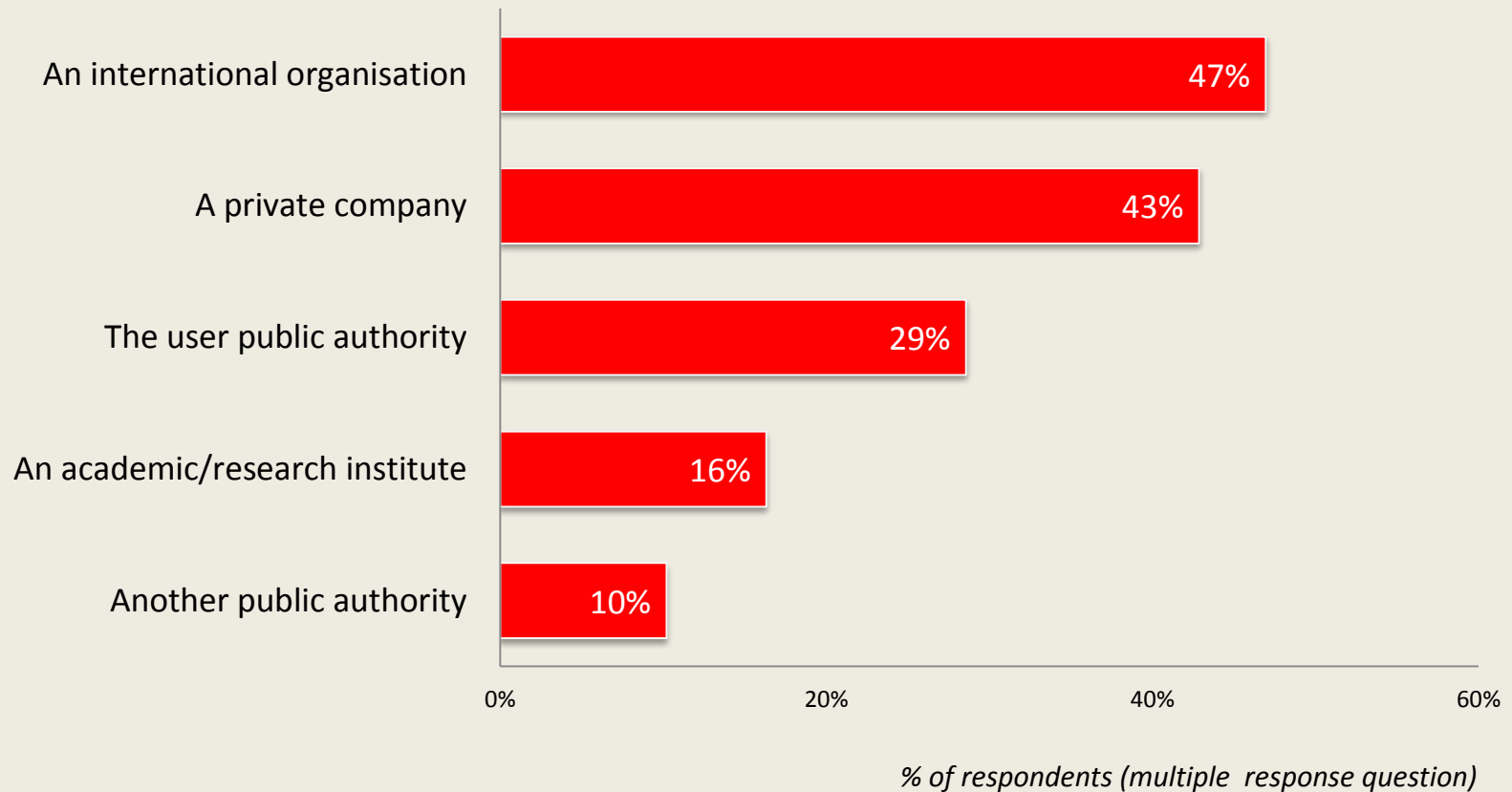
Benefits of using satellite-based services

Other impacts of the satellite-based services



In order to develop an efficient downstream market for satellite-based services, the government should **support intermediate users**.

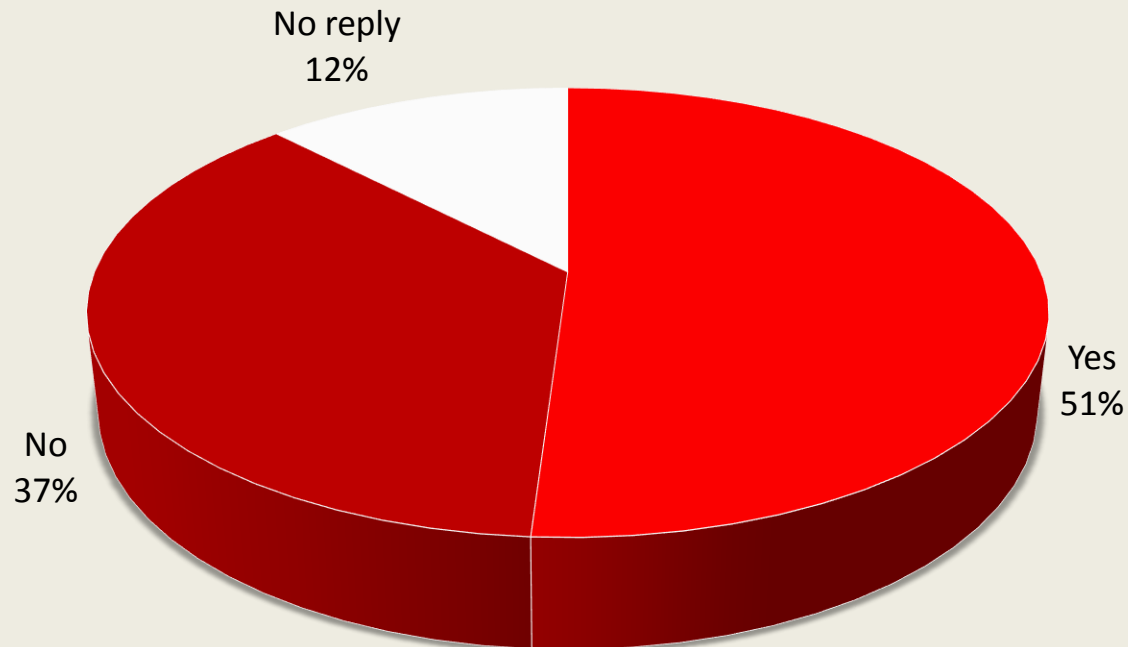
Kind of service providers/ suppliers



Analysis on 49 replies

Challenges to adopt and use satellite-based services

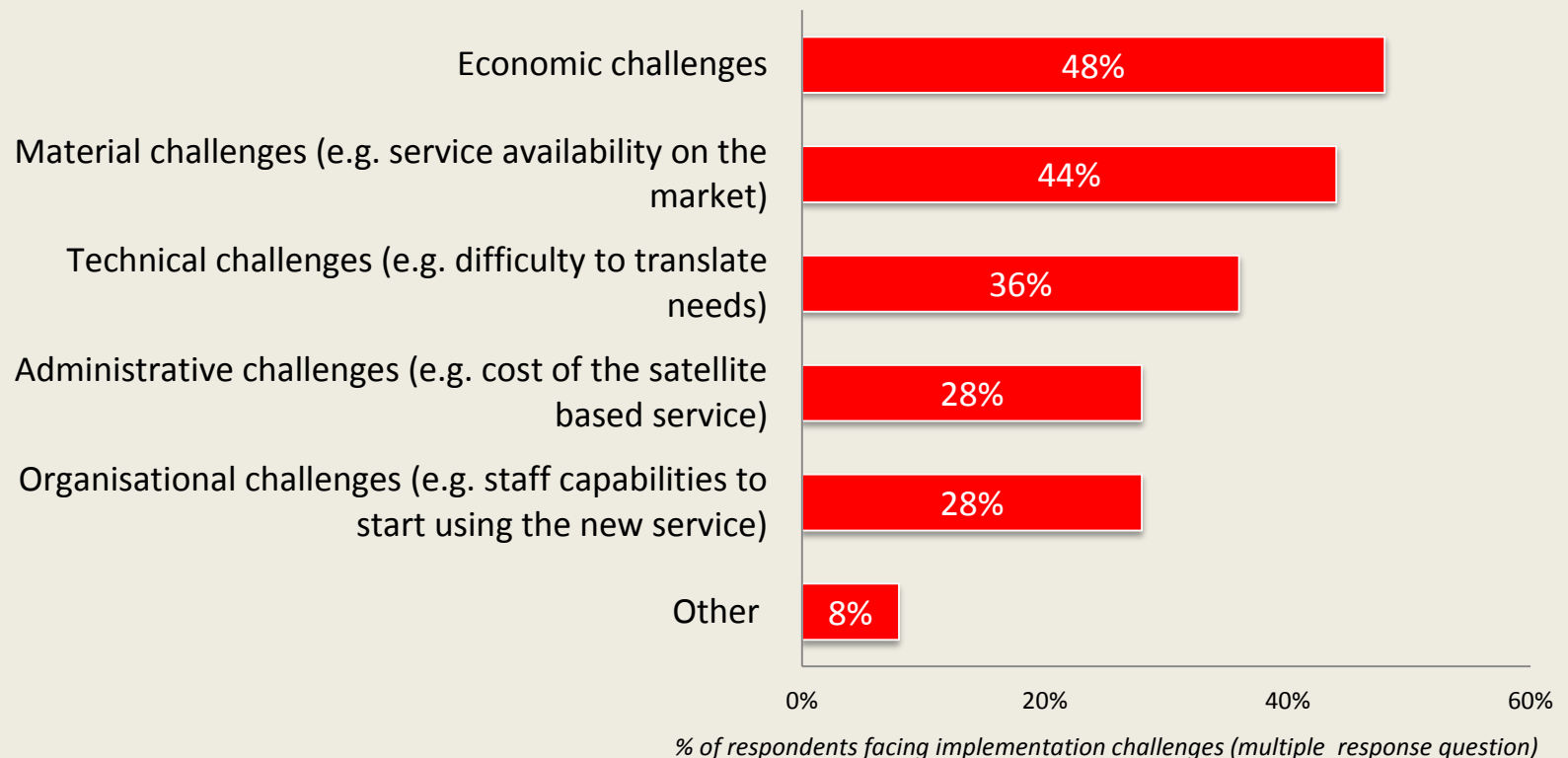
Implementation challenges faced



Analysis on 49 replies

Challenges to adopt and use satellite-based services

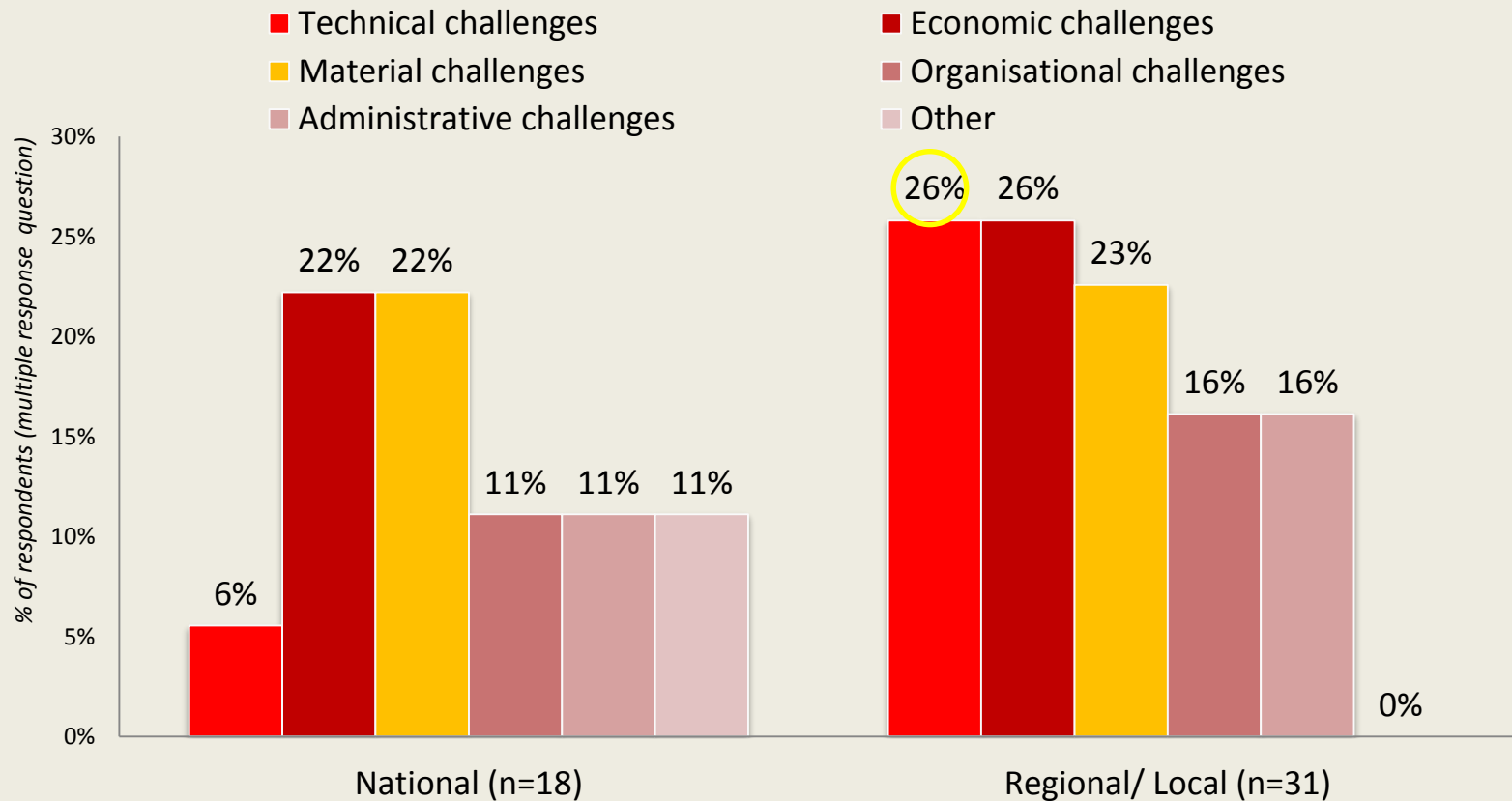
Kind of challenges faced to first adopt satellite-based services (N=25)



Analysis on 49 replies

Challenges to adopt and use satellite-based services

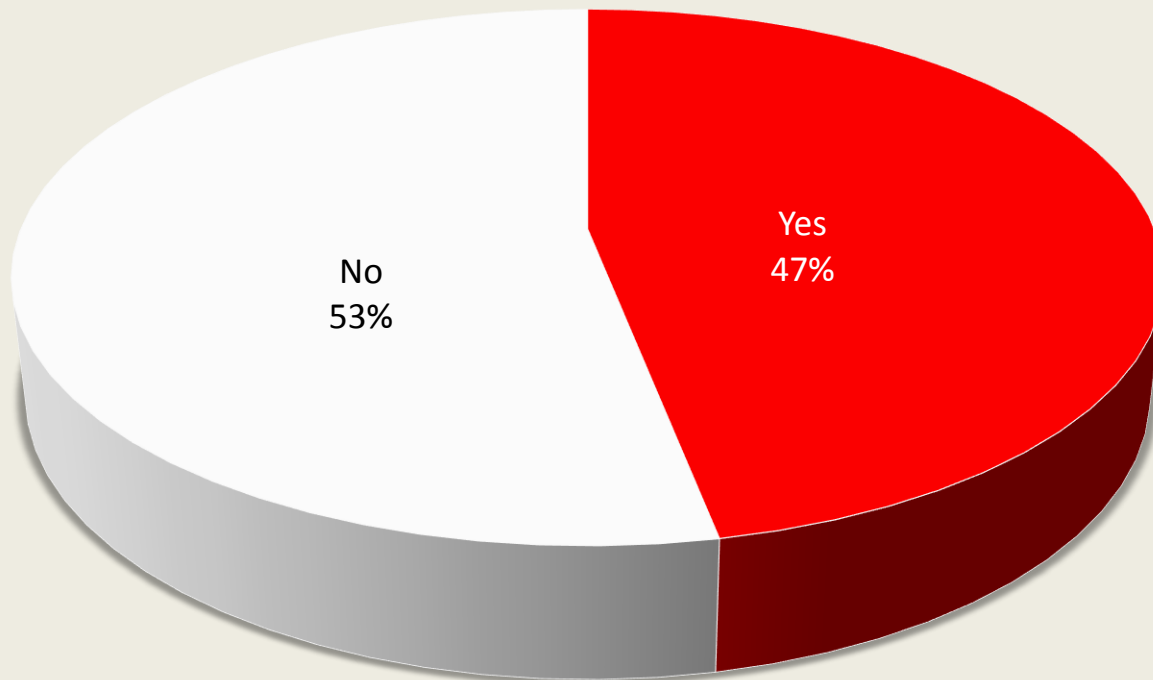
Kind of implementation challenges faced according to organisations' level of authority



Analysis on 49 replies

Challenges to adopt and use satellite-based services

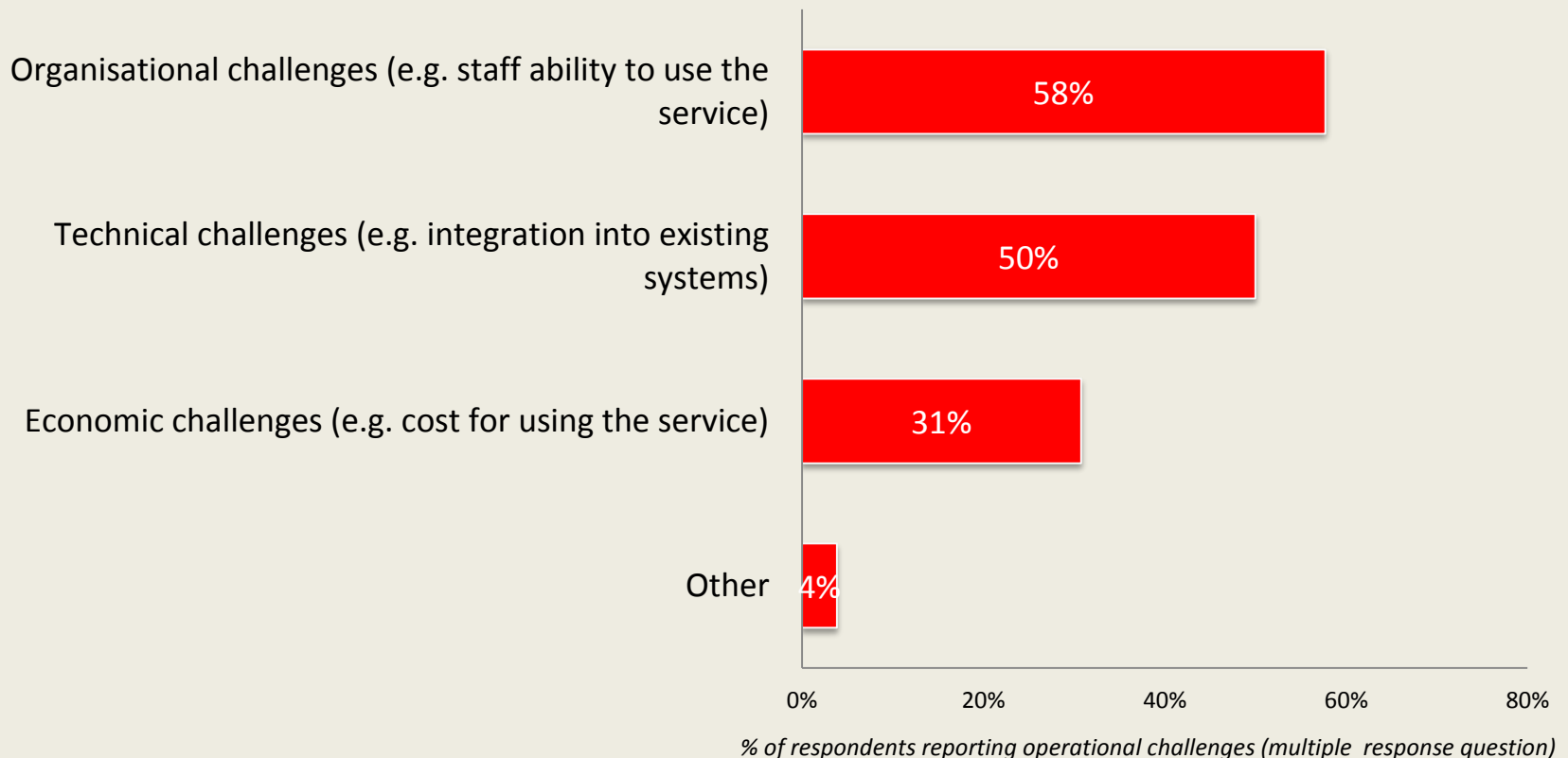
Operational challenges faced to use and maintain satellite-based services



Analysis on 49 replies

Challenges to adopt and use satellite-based services

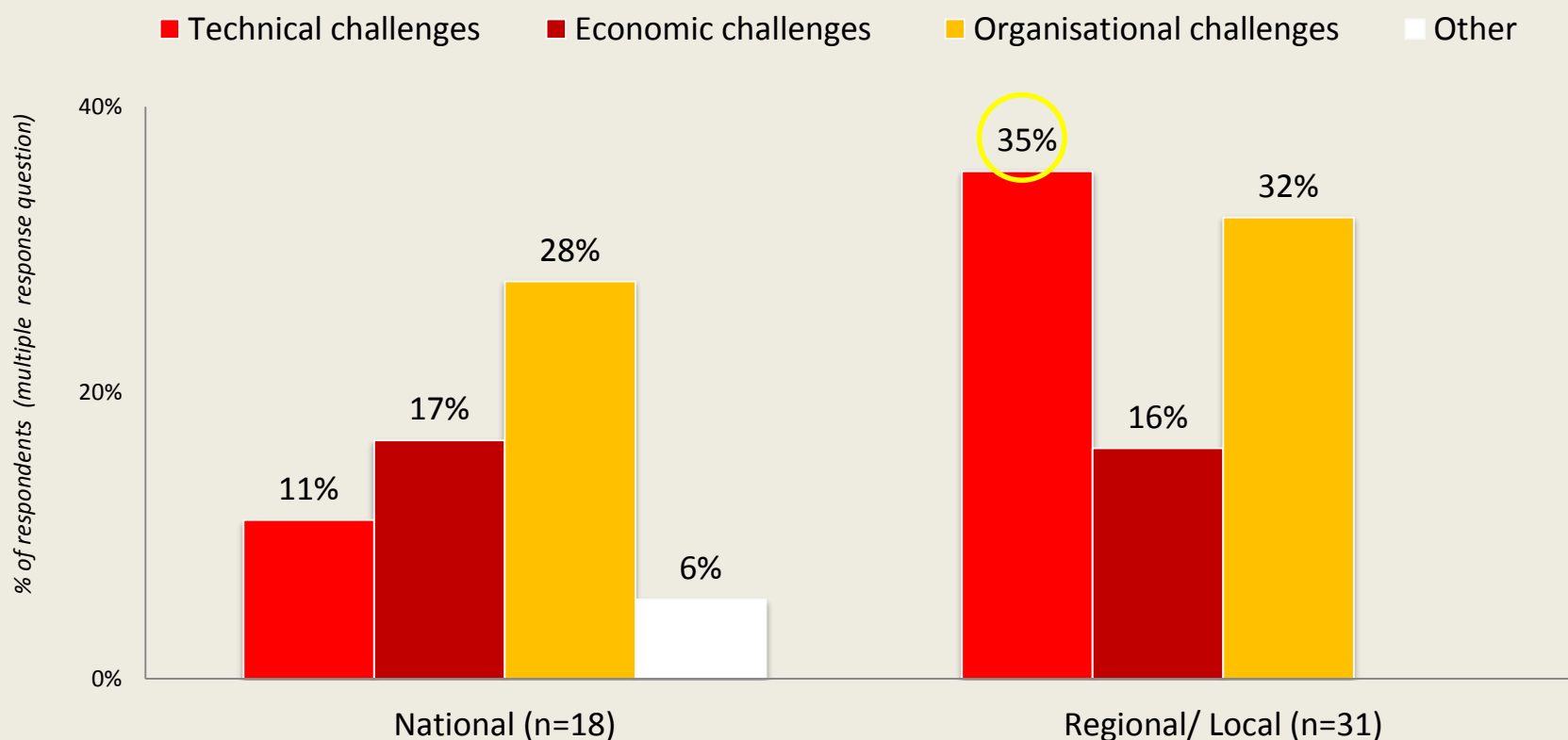
Kind of challenges faced to operate and maintain satellite based-services (N=26)



Local and regional authorities face more technical challenges to adopt and use satellite-based services than the administrations at the national level.

Hence, specific technical support is needed to **stimulate the uptake of satellite-based services at the local and regional levels.**

Kind of operational challenges faced according to organisations' level of authority



Public administrations using satellite-based services should foresee a **budget for training** their staff on the use of these services.

Specific training could be offered by POLSA and relevant Ministries to local and regional managers.

Challenge mitigators



Analysis on 49 replies

Recommendations

The development of new satellite-based services for the public sector should take into account **current needs, workflows and the organisational structure of public administrations.**

In order to develop an efficient downstream market for satellite-based services, the government should **support intermediate users.**

Local and regional authorities face more technical challenges to adopt and use satellite-based services than the administrations at the national level. Hence, specific technical support is needed to **stimulate the uptake of satellite-based services at the local and regional levels.**

Public administrations using satellite-based services should foresee a **budget for training** their staff on the use of these services. Specific training could be offered by POLSA and relevant Ministries to local and regional managers.

End user public administrations need **specific support** to become familiar with satellite-based services and to identify the required services and procurers.

To support both the downstream and upstream sectors of the space market, the Polish government could launch a programme that would act as a **“middleman” among public authorities, research centres and commercial service providers.**

Thank you!

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