Workshop:
White paper drafting

Duncan Hume and Wilhelm Gårdmark

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Session overview

1. Introduction (5 minutes)

    ○ Welcome everyone

    ○ Explain the goals of the session

    ○ Briefly show how to use Mentimeter for sharing your ideas

2. Mentimeter Questions and Group Discussions (50 minutes)

    ○ Section 1: Updating Data in WIOSymphony (10 minutes)

    ○ Section 2: Skills and Resources Needed (10 minutes)

    ○ Section 3: Choosing Which Data to Update First (10 minutes)

    ○ Section 4: Handling Sensitive Data (10 minutes)

    ○ Section 5: Features You Want in the Tool (10 minutes)

3. Conclusion and Next Steps (5 minutes)

    ○ Summarize key points from the session

    ○ Explain how your input will help improve WIOSymphony

    ○ Thank you for participating

Purpose

» Putting together a whitepaper on how to continue work with WIO Symphony.

» Whitepaper is a non-committal technical document but puts thoughts and recommendations together. Consensual vision on next steps.

Approach

» Using Mentimeter to gather thoughts.

» Builds on user survey in beginning of year.

» Duncan and Wilhelm leading discussion.

Section 1: Updating Data in WIOSymphony

(10 minutes)

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What can help us update data more easily?

🔵	6	Develop simple tools for data processing
🩷	7	Have a central place to store data
🔴	7	Collaborate with regional and international data organizations (like WIOMSA, UNESCO)
🟡	4	Assign people to be in charge of each type of data
🟢	14	Provide training on how to manage data
🟣	8	Use systems to keep track of changes in WIO Symphony data
🟠	3	Update on a regular cycle (e.g. every 5 years)
🔵	1	Other

- The importance of metadata brought up.

Do you have any ideas or experiences about making data updates easier?

By making use of pop ups and menu tips

Create a centralized portal that is accessible to members.

frequent data sharing among the institution in the country

having people in each sector that have the responsibility to collect new data and share to a centrilzed system

Assign officers in each country to do regular updates

Having a focal person for each theme

Identify a national WIOSymphony data manager and provide incentives for increased performance

Creating a WIO database sharing framework

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Do you have any ideas or experiences about making data updates easier?

Having a focal person in each of the member countries to manage updates and management of the data

Identify a team composed of members from each country to work on the updates

I dont remember

No

Allow use upate

WiO SYmphony tool to Inter- liaise with platform for data management

use the same template

Where possible, use tools that support bulk edits or bulk uploads. This is helpful for large datasets that only need occasional updates.

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Do you have any ideas or experiences about making data updates easier?

No, i have not any experiences	Create a confordable unit to centralize data from all stacholdrers in each country	Data analysis	Artificial intelligence and automatically carry out processes to update data
Data Science	Computer System skills	GIS and IT	modelisation and GIS specialists

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Do you have any ideas or experiences about making data updates easier?

Data management and analysis skills, GIS proficiency,

My country is part of the 3 world countries. has no funds to finance Simphony

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Section 2: Skills and Resources Needed

What skills are needed to update and manage the data and models in WIOSymphony?

GIS and IT

GIS and programing skills

long training and a lot of practice

R skills for moddeling

ITGISPlanners

Train ToT for countries to capacity build local data creators.

Geospatial science and Natural Resource Management

If possible to have the lincence of WIO symphony and ARC GIS online atleast for one year that will enable us to get practice and become great performer

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What skills are needed to update and manage the data and models in WIOSymphony?

Geomatics & IT programmer

GIS and R programming training

Data management skills including handling various data exchange formats (NetCDF, GIS data)and farmiliarity with global portals such as ESA etc

pratices skills for GIS

Artificial intelligence and automatically carry out processes to update data

Programming and Geo-spatial training

scripting and coding

More training on script coding

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What skills are needed to update and manage the data and models in WIOSymphony?

risk managment

ITGISPlanners

GIS and Database aManagement Training

GIS and traning with features of WiO Symphony Tool, and how to manipulate data, how to reset data standards

Data Science

Programming language

Machine learning and data analytics

Trainning and practice

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What skills are needed to update and manage the data and models in WIOSymphony?

gis skills	Exchange programme between countries	Training on data collection at national using survey 123 tool	GIS experts
people	Training, training and training	People trained	good internet

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What resources (like people, funding, equipment) can your country provide to support WIOSymphony?

Human Resource	Work station	people	GIS expert
people	Could NCS can support TOT	We have human resources that need to be capacity deveped	skilled Personel

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What resources (like people, funding, equipment) can your country provide to support WIOSymphony?

Technicians	people to do the job	Data, human resource for GIS	local data
work station and personnel	experts	Accomodation	resources

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What resources (like people, funding, equipment) can your country provide to support WIOSymphony?

GIS expert

Preferable to target marine scientists/ecologist who also understand the data patterns and data metrics

Localized data for better results.

As human ressources

MSP practitioner

human resources

Shortcourse Training on WIO Syphony tOOLS

humains ressources

What resources (like people, funding, equipment) can your country provide to support WIOSymphony?

Office space	Time	Nice food	human resources,

resources suchas people	GIS Expert	Hardware Support	Technical Expertise

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What resources (like people, funding, equipment) can your country provide to support WIOSymphony?

raw data	GIS Expert and Spatiale planner	Collaboration	skills
share skillsCooperationFunding	Data validation on regional level	Collaboration	funding, data collection and capacity building

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What help do you need from others to contribute to updating WIOSymphony?

Data collection from stakeholders

Funding

Expertise

local data

More practice, data validation

Data update

Collaboration

Data collection

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What help do you need from others to contribute to updating WIOSymphony?

Funds and capacity building

knowlegment sharing

Constituting a team of experts to support updating the data and improving the tool

funding for up date data collection processtraining (experience sharing)equipment

Motivation and confidentiality when providing data.Tools e.g laptops and storage for BCP

Fund and capacité building

Exchange of experience

continuous capacity building

What help do you need from others to contribute to updating WIOSymphony?

skills from the expertise	collaborative data collection	Server 🤪	more training for othersinvolve more people
Strong and technically capable team based at the NC secretariat is a must. Develop a coherent workflows/procedure/policy on what happens to the data once it is uploaded	good internet	Share skillsCooperationFunds	capacity building to use equipment for data collection.

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What help do you need from others to contribute to updating WIOSymphony?

funding and information access

Collaboration in data collection

A linkage to access up-to-date data from the various institutions doing research in the particular areas of focus.

equity on the teams per country who attend capacity building

Logistic means and peaple to working permanently

more training to use the WIOSymphony tool

where are you Rabary

capacity building

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What help do you need from others to contribute to updating WIOSymphony?

Structural Community of support

Align the updates with the NC COP sessional priorities, and move next to other regional obligations

Define the boundary

Ecosystems

1. Results from the impacts from data generated.2. Status of objectives 3. Political status and engagement

climate change impact

Improve data security measures

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Section 3: Choosing Which Data to Update First

What should we think about when deciding which data to update first?

that the data are validated

key ecosystem per country (endemic species)

Define thé structure to validate the update

marine resources stock

Data Standards

EnvironmentSocialEconomicDynamics

What are available first and what date we be crucial for the neighbord countries

Data standards

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What should we think about when deciding which data to update first?

Political Agenda-driven factors

our objectives, goals and vision

to be sure with the data to update if they have been validated

data accompanied of the metadata

Information need by the region and level of accuracy

boundary

data gap between existing data locally and WIOsymphoy data

Data validated for marine resources and standards

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What should we think about when deciding which data to update first?

Padrões de dados

Current affairs/ needs in the various thematic areas.

priority sectors in the country

marine eosystem

The priorité of each country

Are the data contribute to the common goals

validation of data and metadata

Thematic data are important for MSP

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What should we think about when deciding which data to update first?

fisheries managment

for decision-mking

Environment mattersland use and land coverpopulation distributiongrow polos

It perimets to make decision for the managment and conservation

because it tuches the livelihood of the society directly

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Are there certain or specific data that are more important for your work? Why?

yes, they help in environmental management and conservation

coastline dynamic

It will highly contribute to MSP decision

Thematic data are important for MSP

Fish genetics

yes , since am mandated to coordinate msp, this is useful

it will help as well to promote others economical alternative

Ecosystems and socio-economic data

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Are there certain or specific data that are more important for your work? Why?

fish species distribution and biomass

Because they help in decision-making and mitigating impacts. And for the study of ecosystems

Shipping lanes

mapping of Ecosystems

Change in habitats

Not necessarily, but little is known is about ecological interactions when setting up or assessing effectiveness of marine protected areas

EEZ and high seas resources data

Temporal and Spatial data on Blue carbon ecosystem

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Are there certain or specific data that are more important for your work? Why?

to promote Blue Economy activities on a specific area

Yes. They help in the planning of maritime spaces and decision-making.

yes because with them I do regional mapping of species and more

For Marine Resources exploration management

Good regulation of fisheries

coastline dynamic specifically for small island states that are highly impacted by coastal erosion

batimetry, it could help in the process of MSP in the country

Marine Resources stock and distribution is key to determining management strategies.

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Are there certain or specific data that are more important for your work? Why?

Blue Carbon Ecosystems because they provide numerous benefits and yet are among the most threatened ecosystems

to understand what regulation needed to be implemented

Sentisization Campaign

Fish genetics for monitoring the dispersal of released fish and in assessing the extent of interbreeding between released and wild fish and the damage that this might cause.

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non existance of data sharing agreements

Section 4: Handling Sensitive Data

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How can we share data while respecting privacy and sensitivity?

Bar chart values:

- 1 — Share summarized or anonymous data
- 15 — Process data in your country and share the results
- 12 — Make agreements on how data will be shared
- 6 — Use systems that allow secure data access without sharing raw data
- 7 — Improve data security measures
- 8 — Set clear rules on data confidentiality
- 0 — Other (please specify)

What challenges do you face in sharing data, and how can we solve them together?

to do a good metadata

Reluctance in release of data by primary producers

less skills in data keeping/records, more training needed

We don't have a server to properly manage the data

Misuse of data. By having proper MoUs.

Data Sharing protocol

example Public sharing location of turtle lead to animal harrassement and extinction. Data restriction within proper channels only

Data in different formats and processing levels is not uniform.Develop policies that are standard and ensure that they are acceptable in all member countries

What challenges do you face in sharing data, and how can we solve them together?

Poor data sharing literacy	difficulty to share data because of non existence of a data sharing agreement . It is necessary to have a data sharing agreement between institutions	institutional regulation	skills to handle different data format
the hands that gives the funding makes the rules on the sharing mode	Low skills in many organisations in setting up data sharing portals	issue of server	a proper place to share data and an agreement on the use of shared data

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What challenges do you face in sharing data, and how can we solve them together?

Standard method of data collection

Cross-platform migration

less capacity in data sharingmore skillsneeded

Data formats. Exchange of experience.

Data protection law enforcement by government agencies to share data with Civil society organizations

restriction in data sharing, develop a data sharing portfolio for WIO country state

To have autorization to share data by minister autority

Challenge: Lack of data privacy, Soln: Having A clear protocol of the level of access to the shared data.

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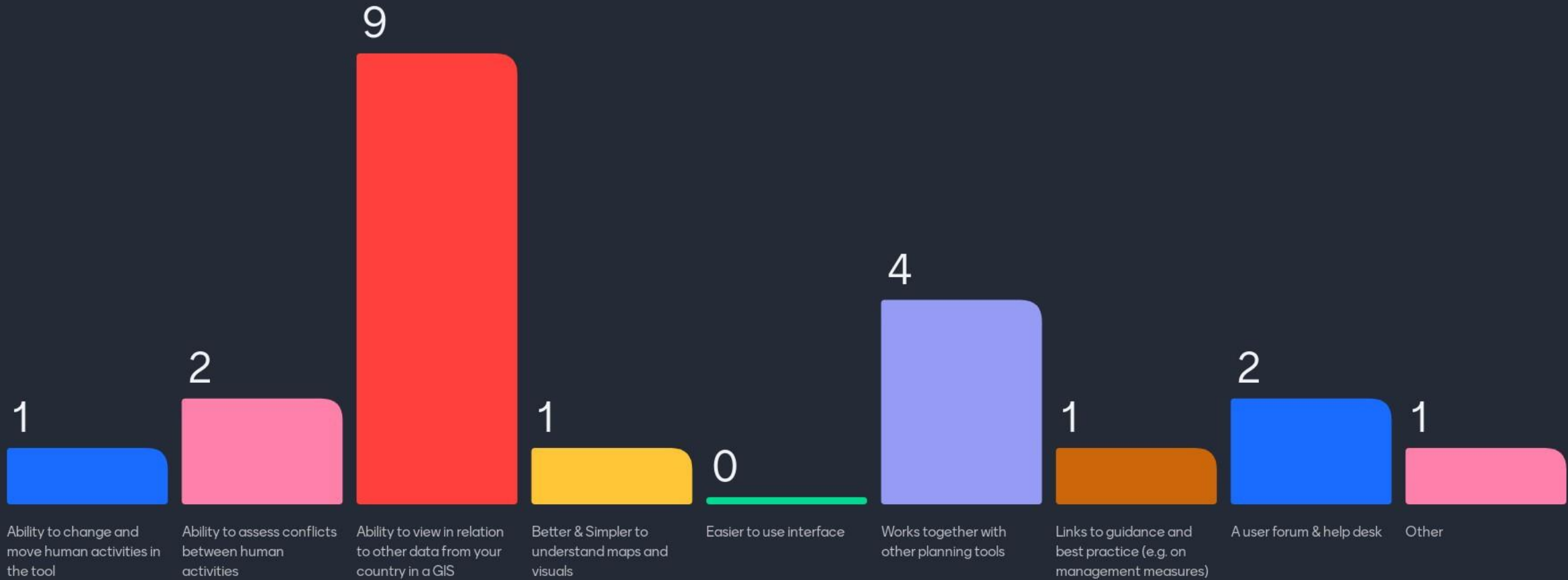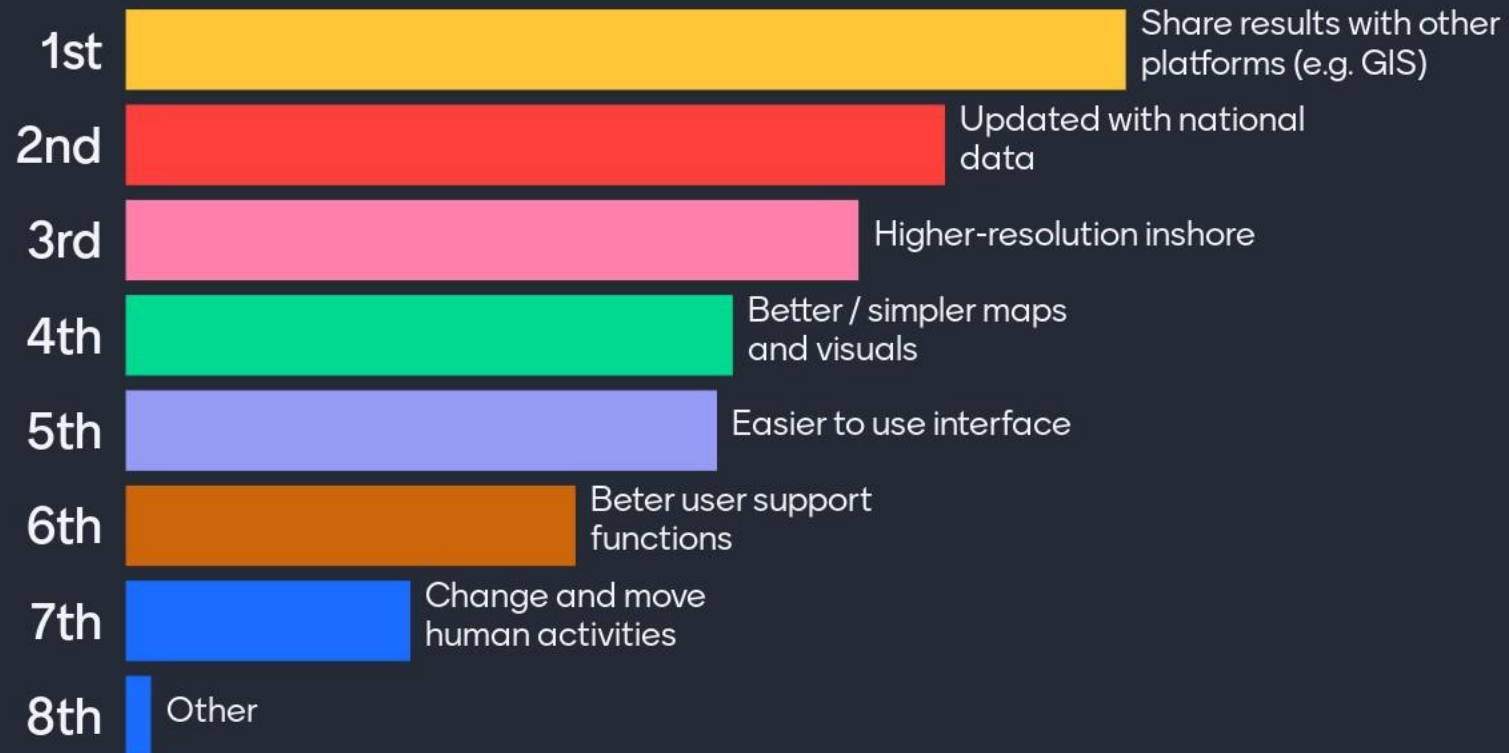# What challenges do you face in sharing data, and how can we solve them together?

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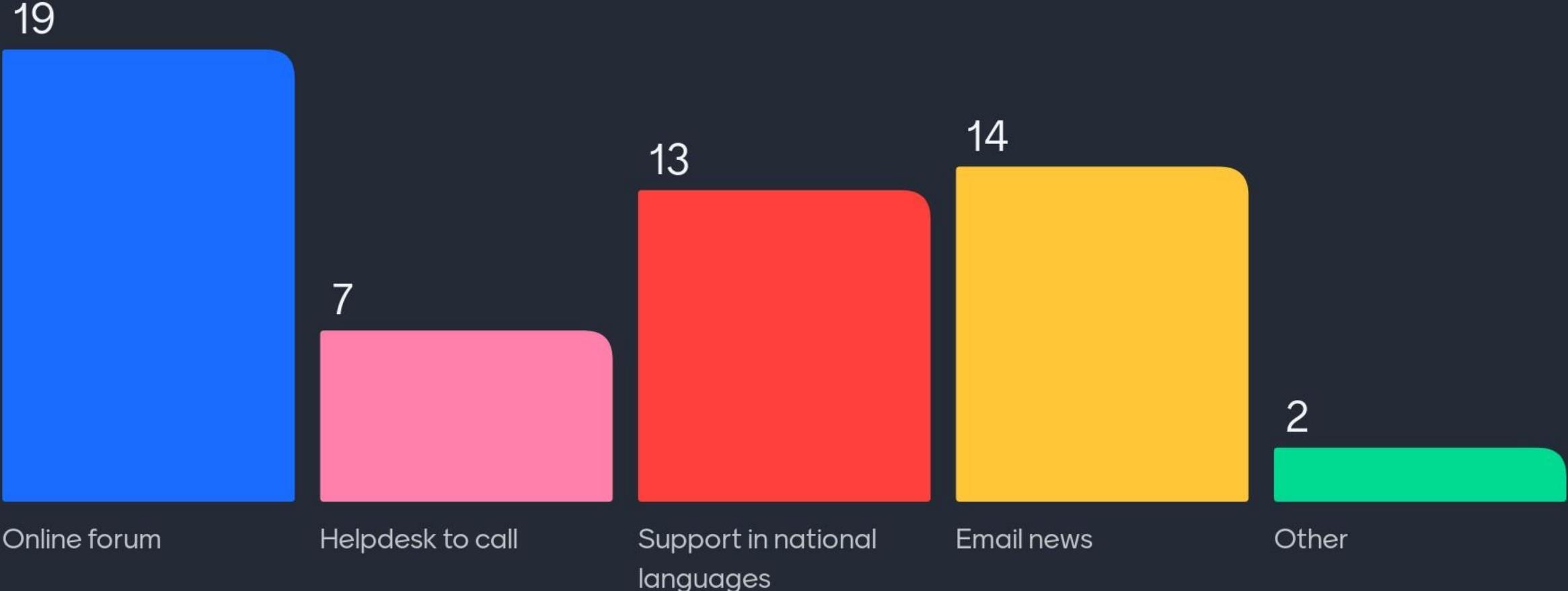# Section 5: Features You Want in the Tool

Please rank these features by how important they are to you (1 = most important)

Rank	Feature
1st	Share results with other platforms (e.g. GIS)
2nd	Updated with national data
3rd	Higher-resolution inshore
4th	Better / simpler maps and visuals
5th	Easier to use interface
6th	Beter user support functions
7th	Change and move human activities
8th	Other

What other suggestions do you have for features help you in your work?

What user communication and user support would you like?

Online forum	Helpdesk to call	Support in national languages	Email news	Other
19	7	13	14	2

White paper draft will be shared, and sent to MSP TWG

WIO Symphony

www.nairobiconvention.org/wio-symphony