Landscape of Data Structure and Exchange Standards Survey

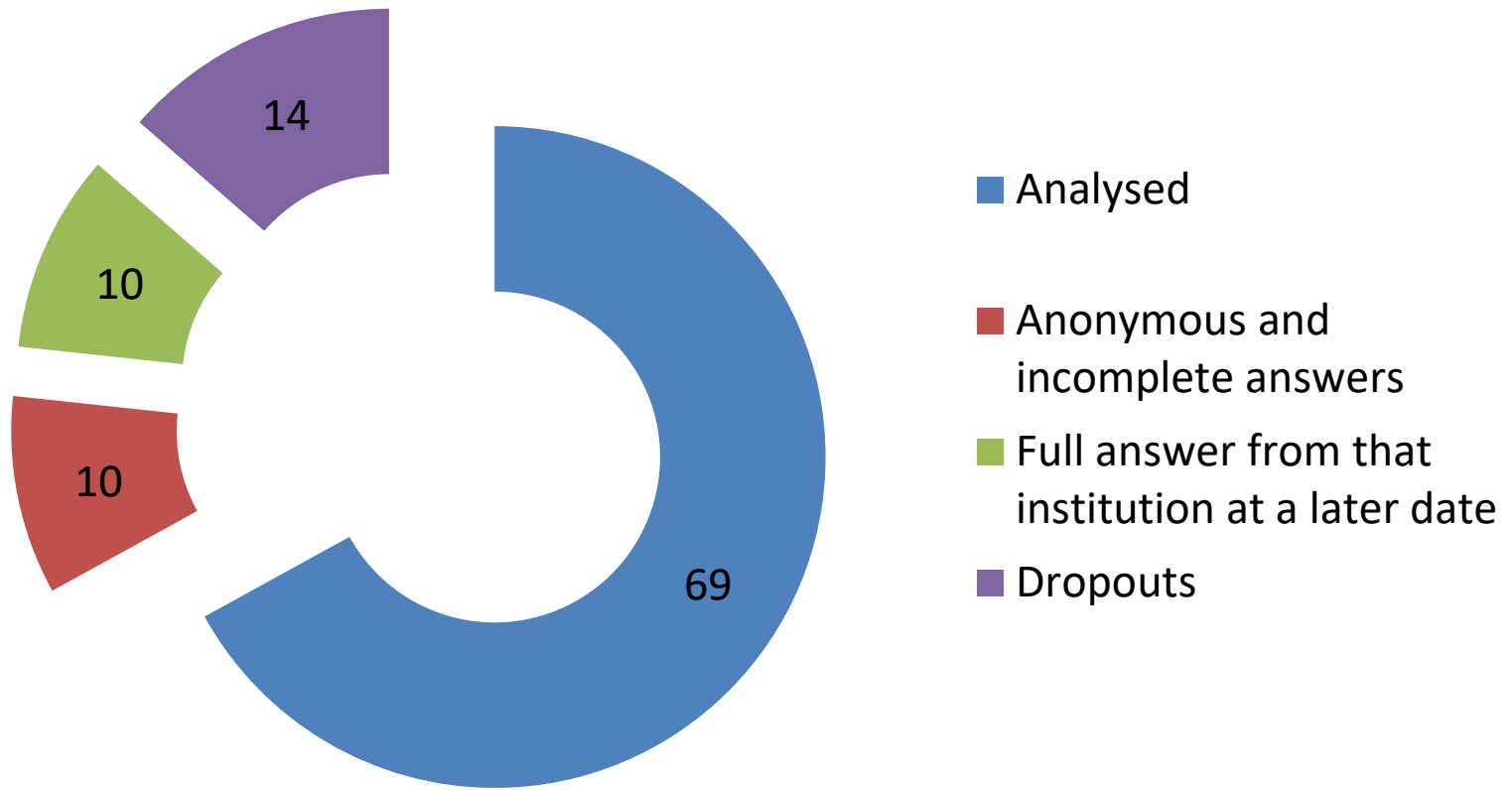## PUC – Future of UNIMARC

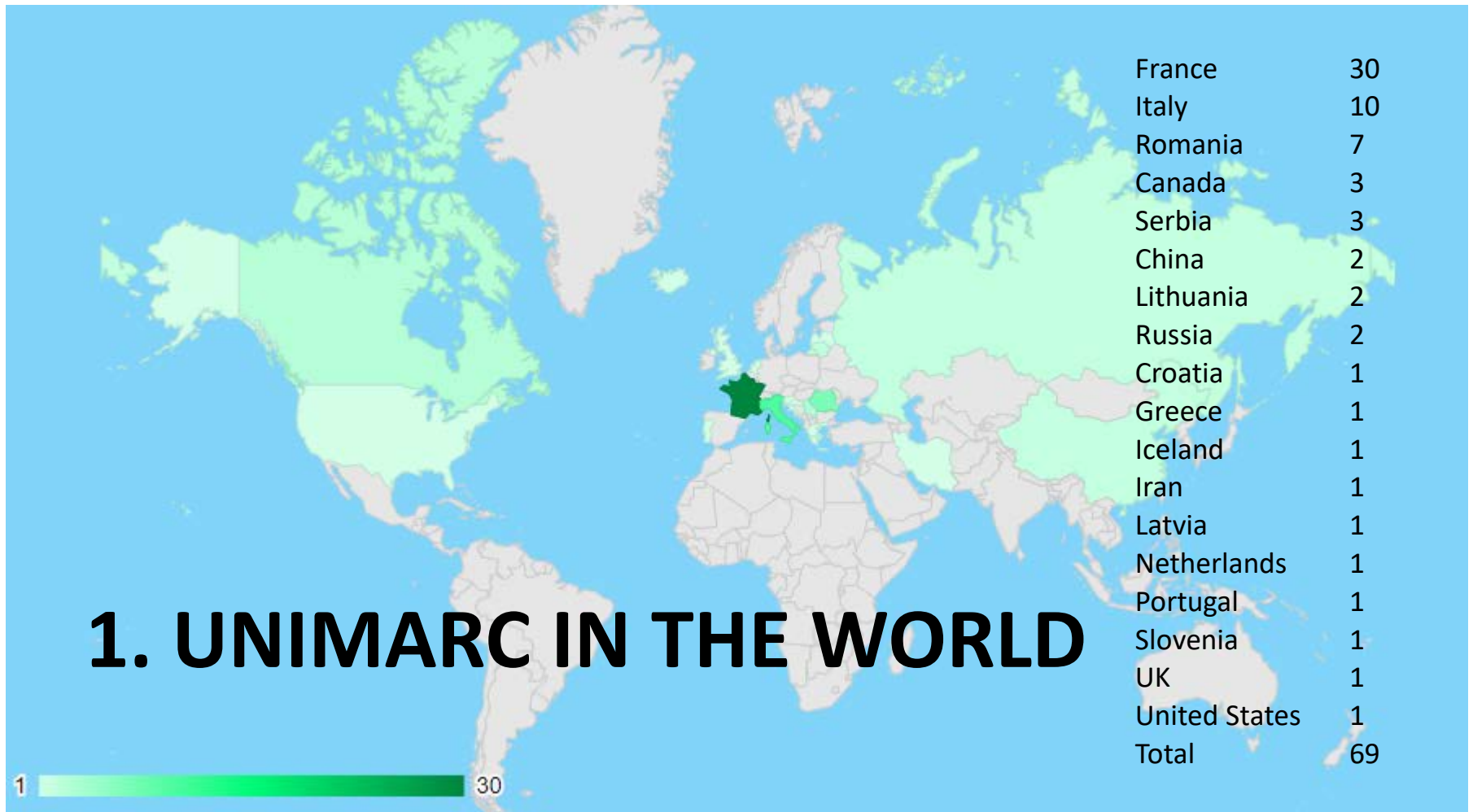UNIMARC Users' Meeting – Maribor, November 12th, 2024

Context of the survey

- UNIMARC has undergone a major transformation in the past few years, adopting IFLA's new entity-relationship (ER) cataloguing model, **IFLA LRM**.

- In order to better understand the needs of the library community and to facilitate the exchange of knowledge and ideas, the Permanent UNIMARC Committee has launched the **"Future of UNIMARC" project in 2023**.

- A **survey took place from mid April to mid-July 2024**, in order to better understand the needs and practices of users, and to shape the format's next roadmap.

- Questions focused on the **use of content standards and formats** in library systems, as well as on UNIMARC users' **needs and projects** for the future, in general and more specifically concerning the new ER standards.

Participation

103 participants, 69 full responses analysed

1. UNIMARC IN THE WORLD

France	30
Italy	10
Romania	7
Canada	3
Serbia	3
China	2
Lithuania	2
Russia	2
Croatia	1
Greece	1
Iceland	1
Iran	1
Latvia	1
Netherlands	1
Portugal	1
Slovenia	1
UK	1
United States	1
Total	69

WHERE IS UNIMARC USED ?
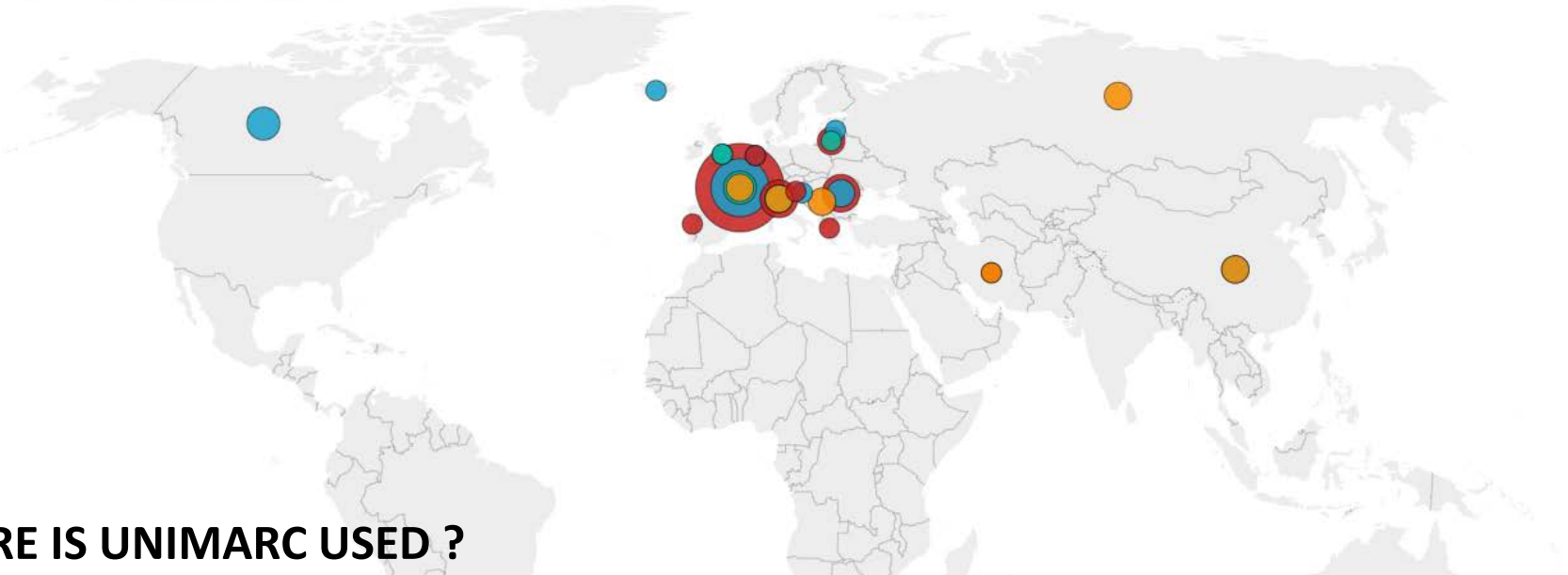**PARTICIPATING COUNTRIES BY NUMBER OF SURVEY ANSWERS**

Geographical distribution of cataloguing/encoding formats

■ Other MARC formats ■ Other standard ■ UNIMARC ■ UNIMARC-based
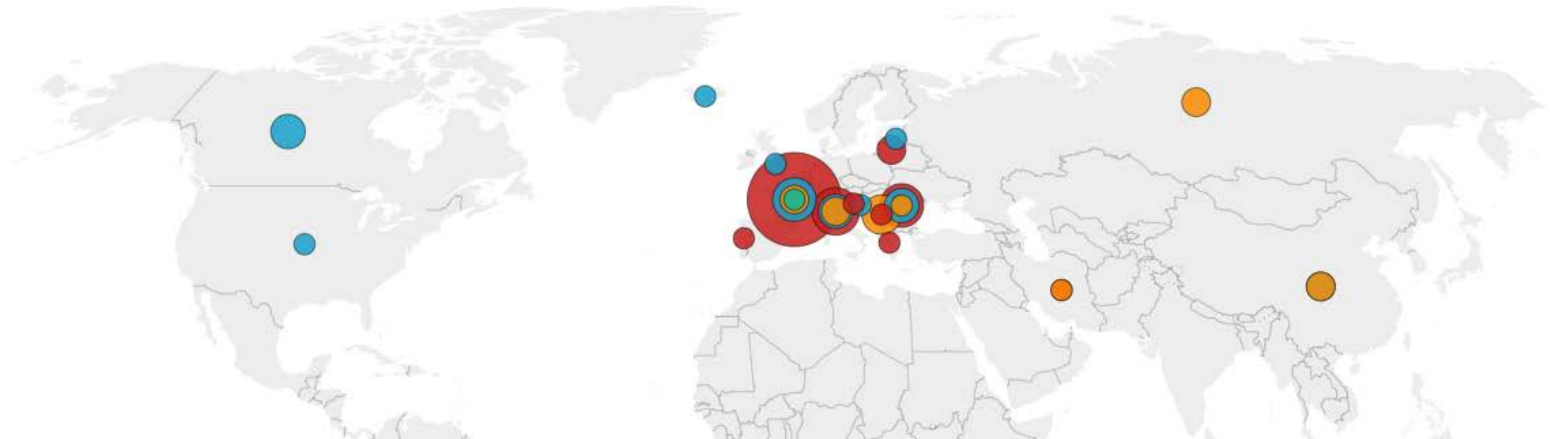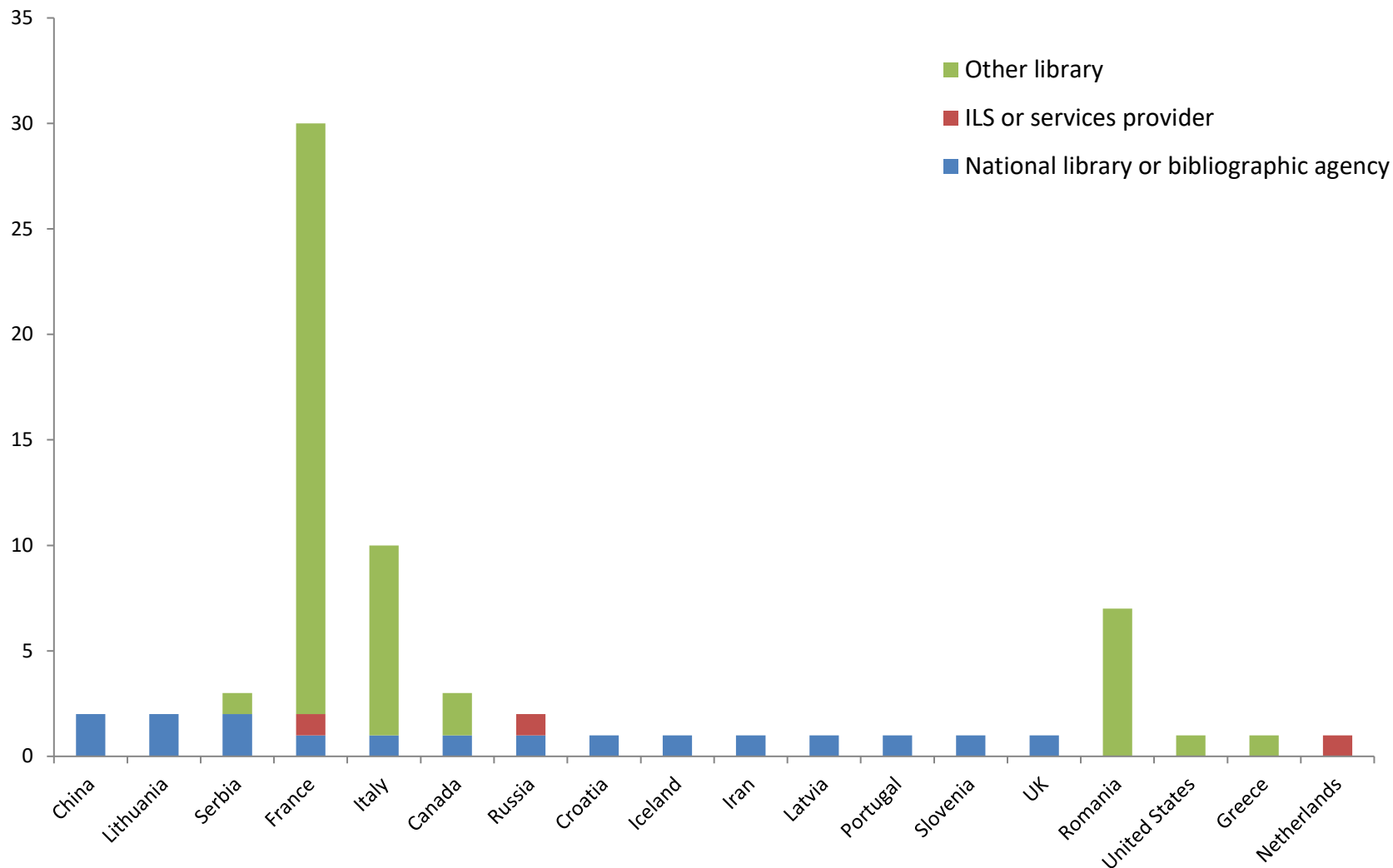
Geographical distribution of exchange formats

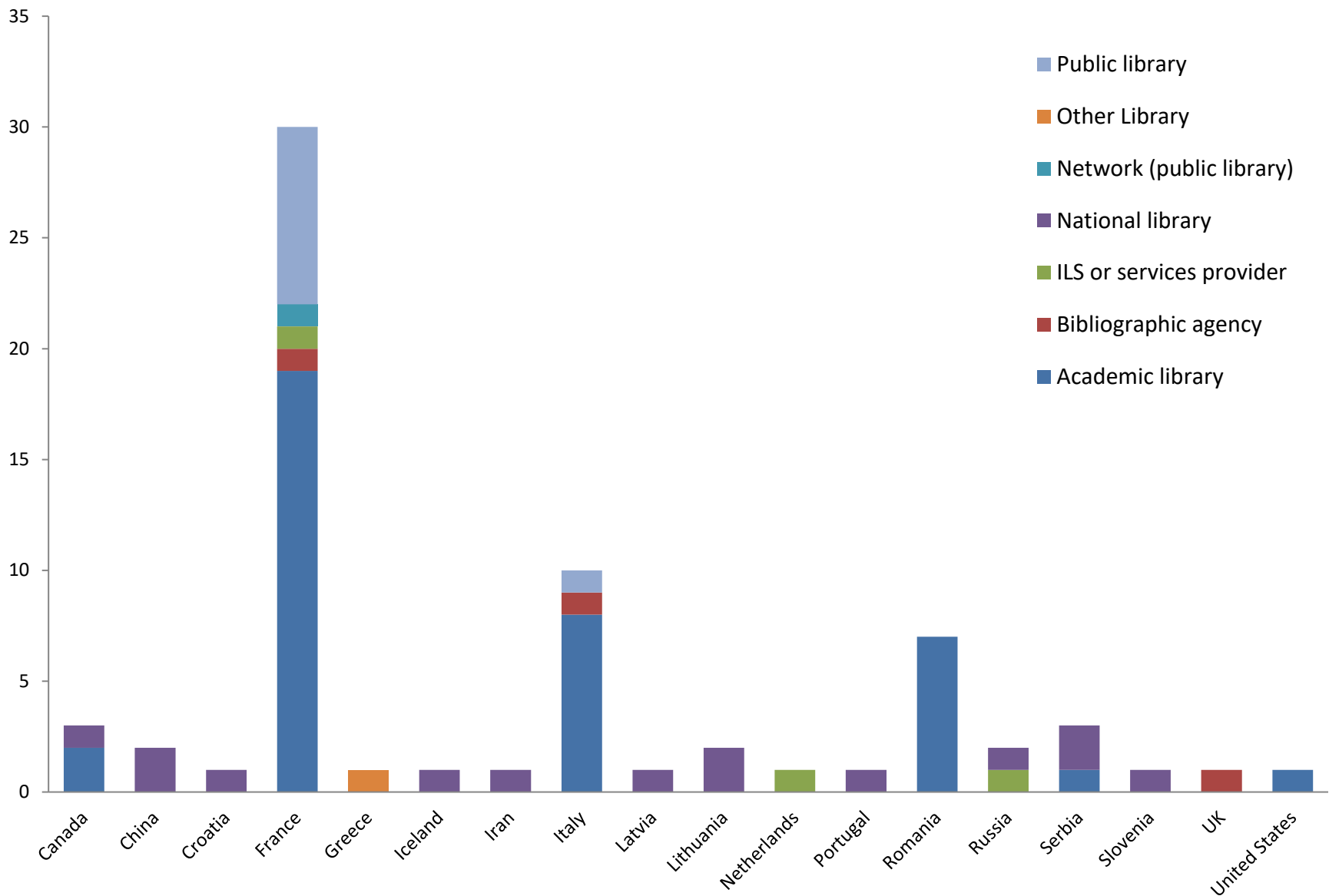■ Other MARC formats ■ Other standards ■ UNIMARC ■ UNIMARC based

WHERE IS UNIMARC USED ?
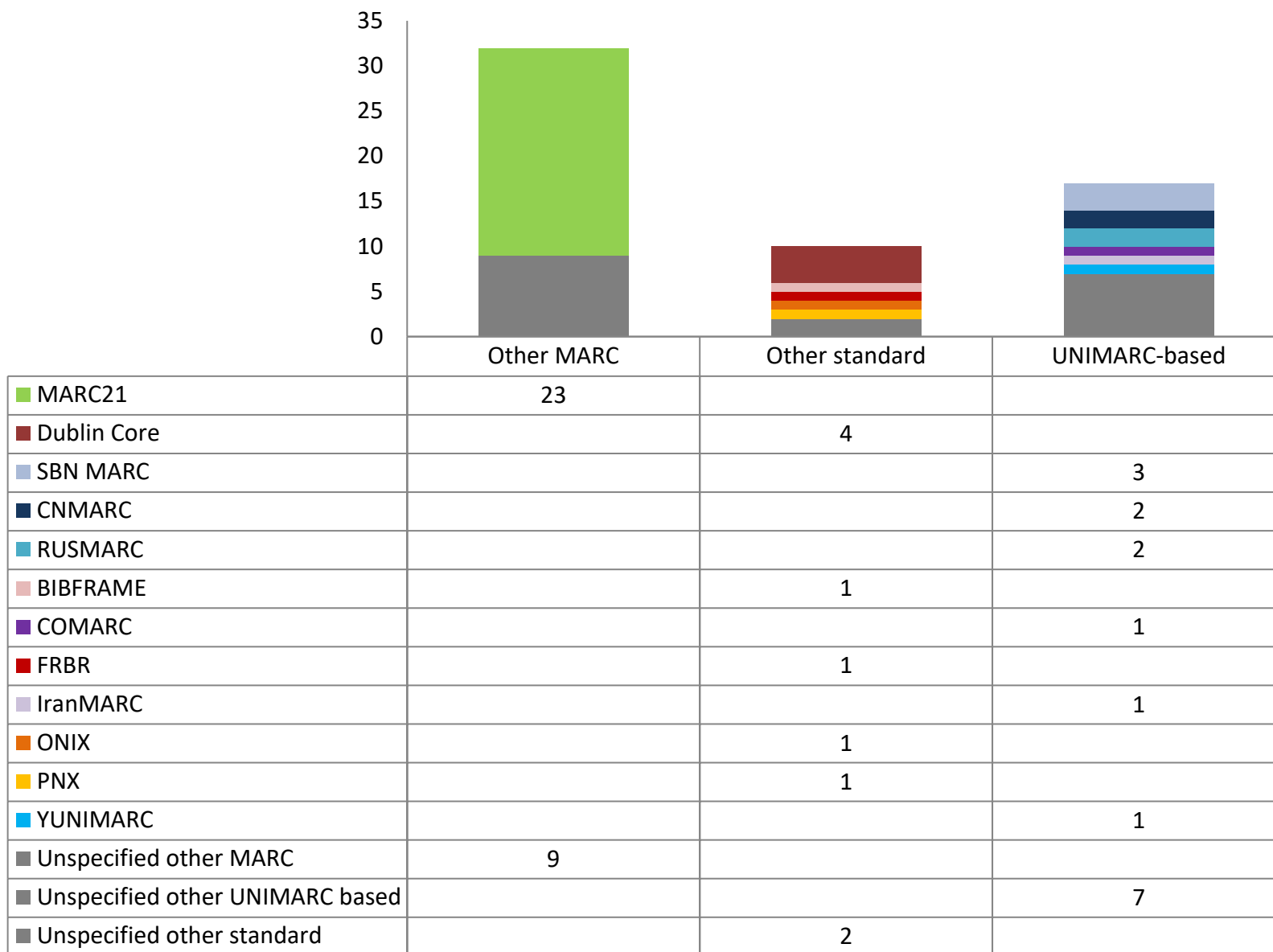**GEOGRAPHICAL DISTRIBUTION OF CATALOGUING/EXCHANGE FORMATS**

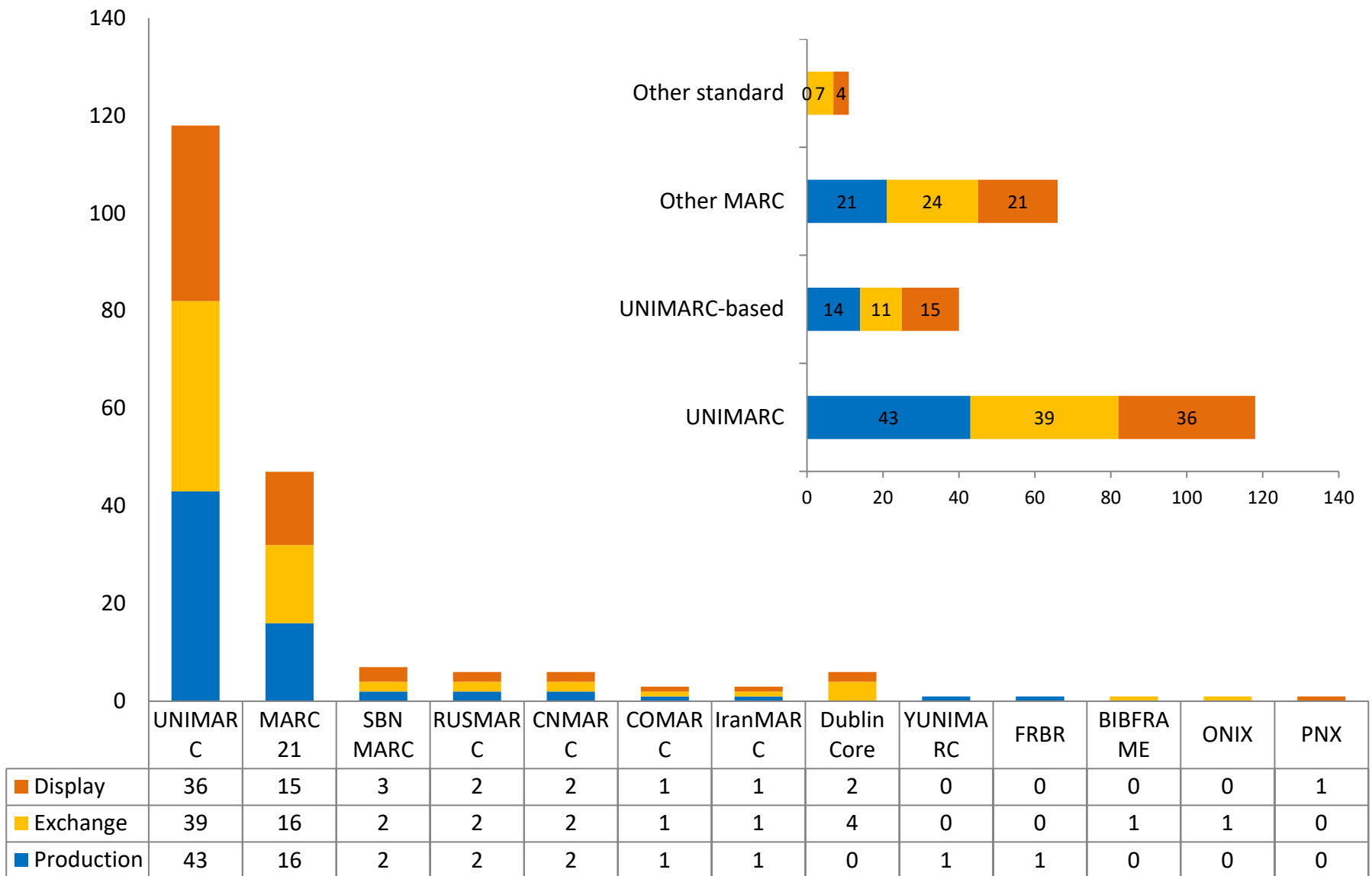**WHO FOLLOWS THE PUC'S ACTIVITIES ?**
TYPE OF RESPONDENT BY COUNTRY

**WHO FOLLOWS THE PUC'S ACTIVITIES ?
TYPE OF RESPONDENT BY COUNTRY**

2. UNIMARC AND ITS USES

	Other MARC	Other standard	UNIMARC-based
■ MARC21	23		
■ Dublin Core		4	
■ SBN MARC			3
■ CNMARC			2
■ RUSMARC			2
■ BIBFRAME		1	
■ COMARC			1
■ FRBR		1	
■ IranMARC			1
■ ONIX		1	
■ PNX		1	
■ YUNIMARC			1
■ Unspecified other MARC	9		
■ Unspecified other UNIMARC based			7
■ Unspecified other standard		2	

**UNIMARC IN THE FORMAT ECOSYSTEM :
OTHER FORMATS CITED BY RESPONDENTS**

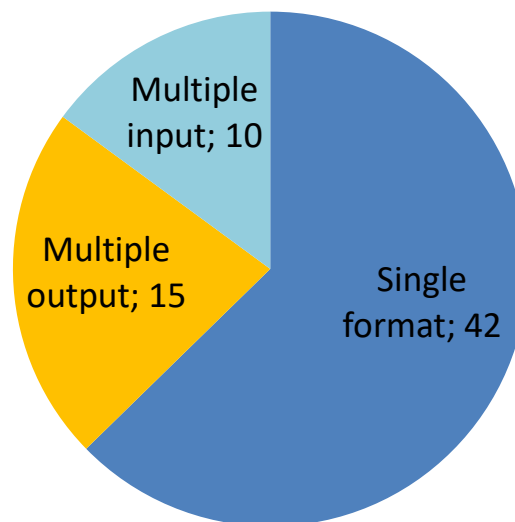| | UNIMARC | MARC 21 | SBN MARC | RUSMARC | CNMARC | COMARC | IranMARC | Dublin Core | YUNIMARC | FRBR | BIBFRAME | ONIX | PNX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ■ Display | 36 | 15 | 3 | 2 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 1 |
| ■ Exchange | 39 | 16 | 2 | 2 | 2 | 1 | 1 | 4 | 0 | 0 | 1 | 1 | 0 |
| ■ Production | 43 | 16 | 2 | 2 | 2 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |

UNIMARC IN ITS ECOSYSTEM :
FORMATS AND THEIR CURRENT USE IN THE SURVEY RESPONSES

For systems using UNIMARC or a UNIMARC-based format for data encoding
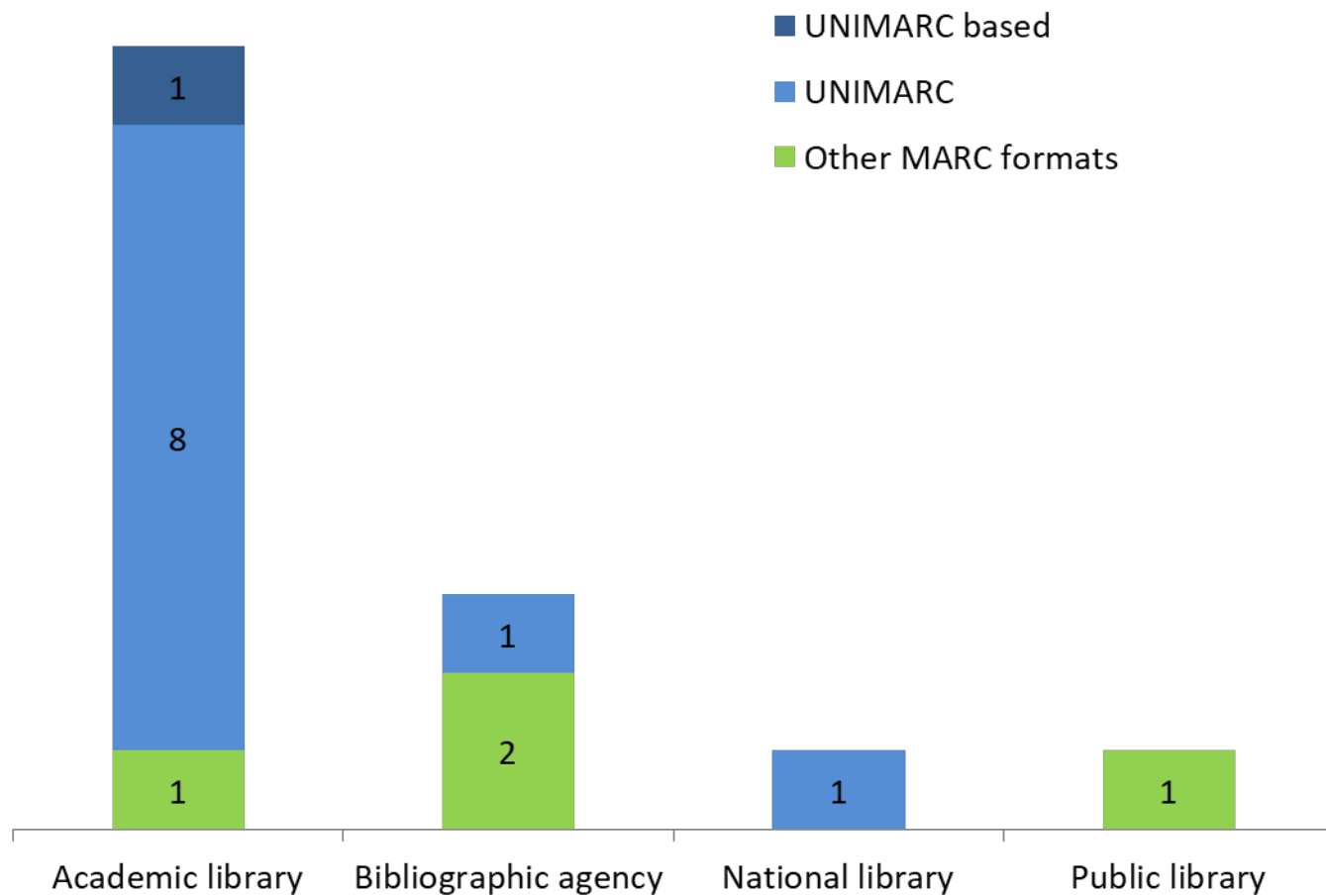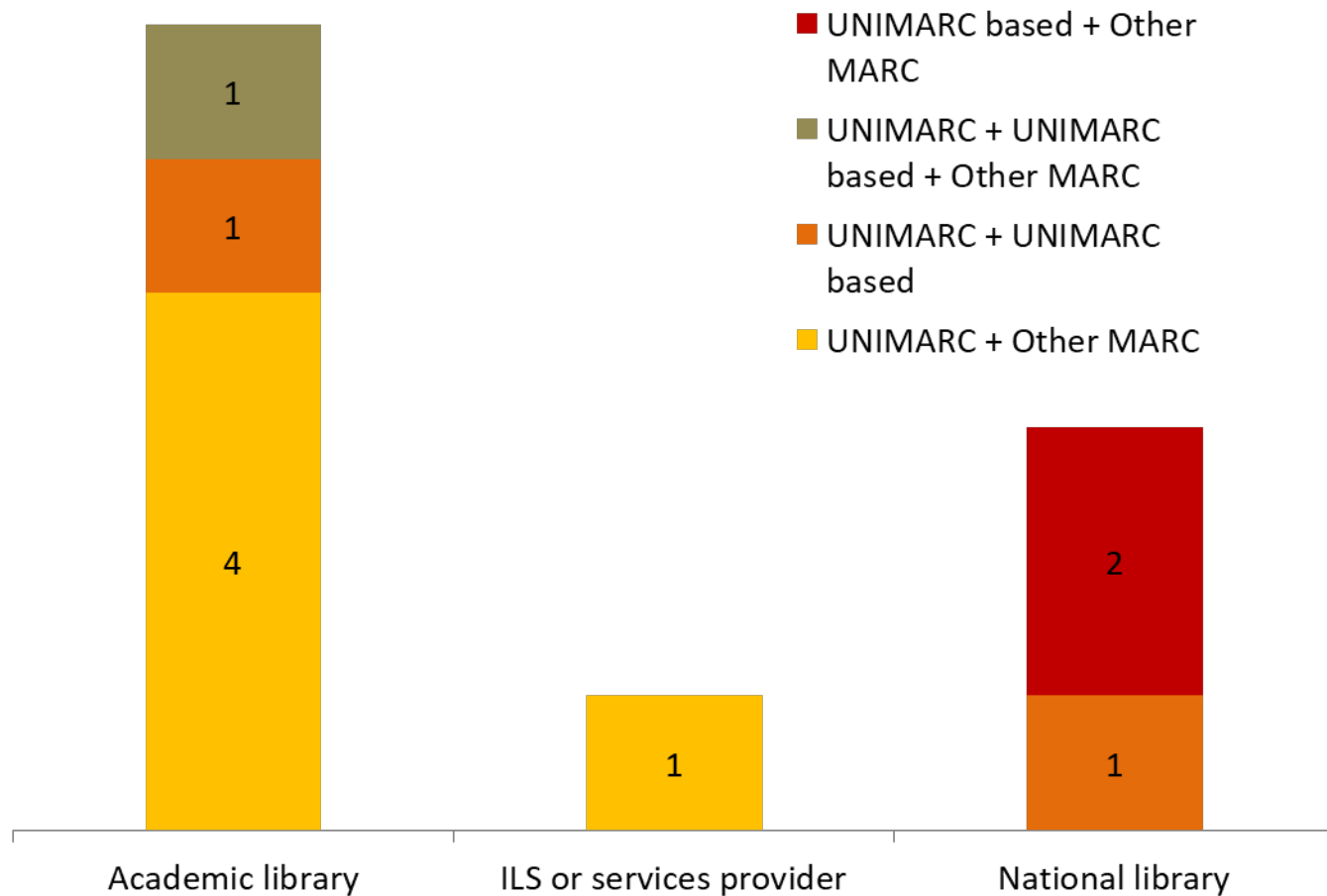
Multiple input; 10

Multiple output; 11

Single format; 33

For all respondents

Multiple input; 10

Multiple output; 15
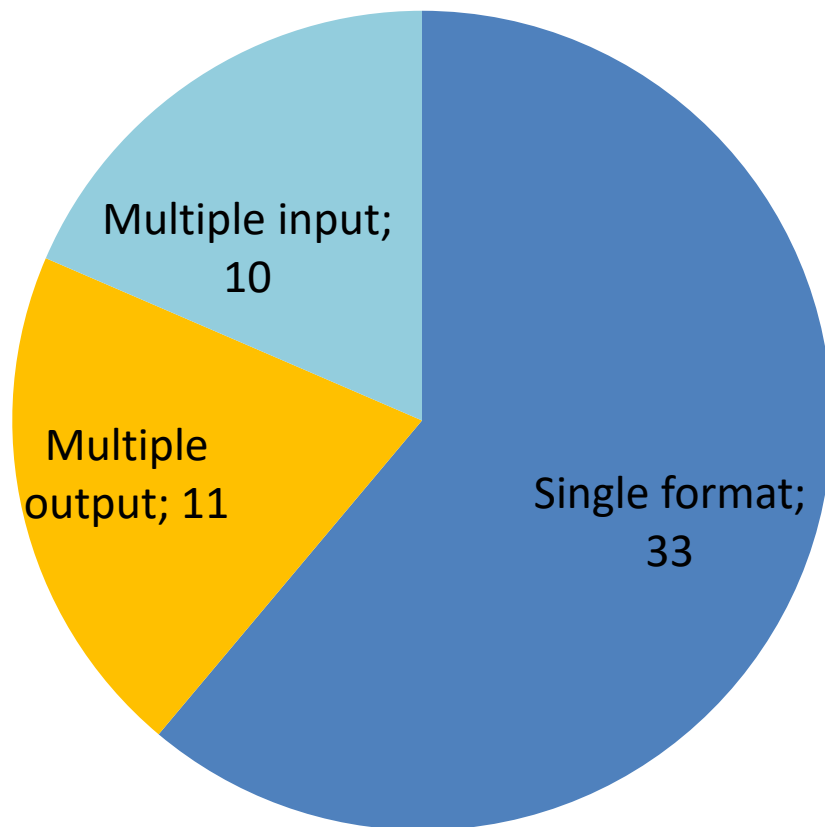
Single format; 42

FORMAT USE PROFILES
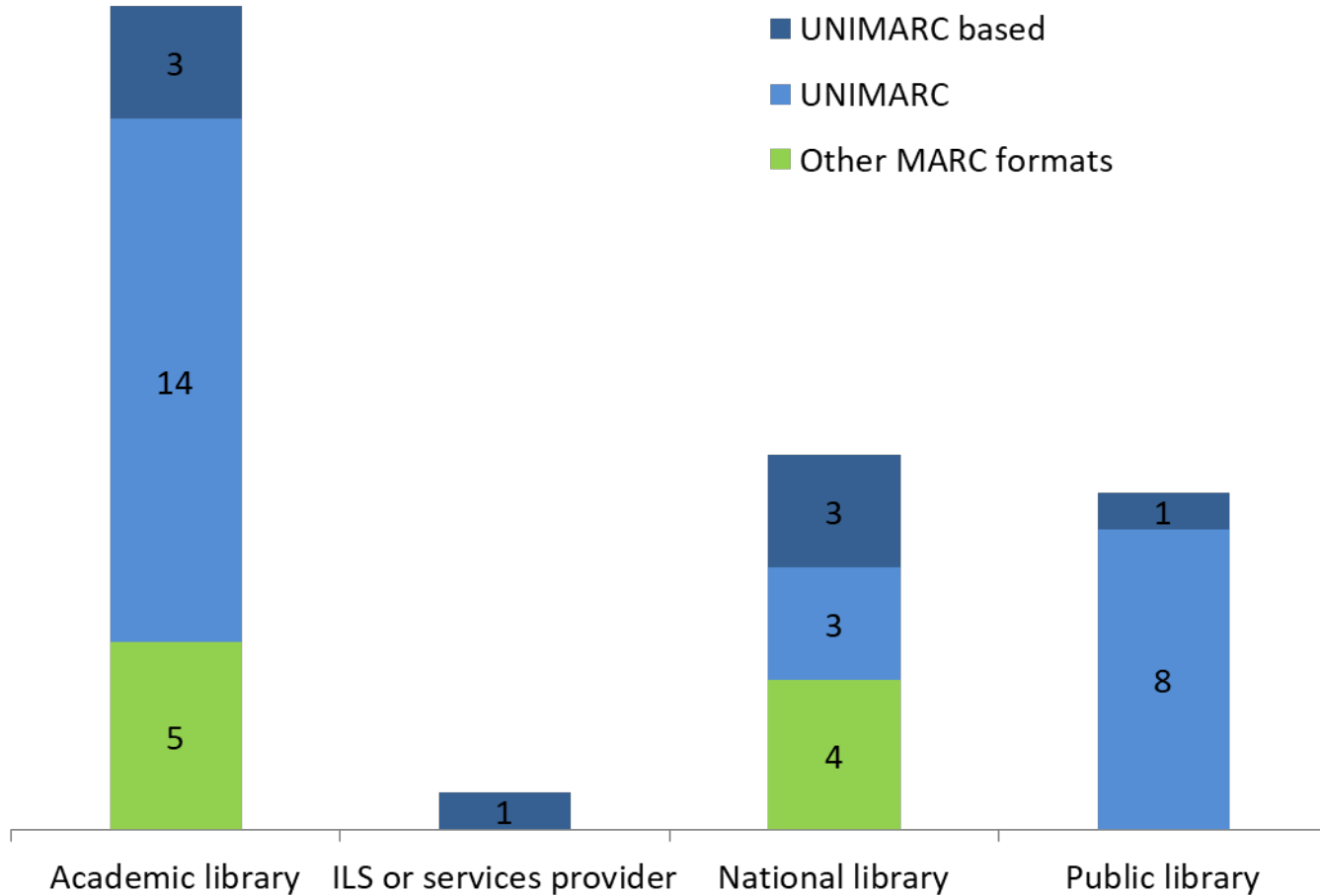
FORMAT USE PROFILES : PROFILE 1 – SINGLE FORMAT

Legend:
- UNIMARC based
- UNIMARC
- Other MARC formats

Academic library: UNIMARC based 1, UNIMARC 8, Other MARC formats 1
Bibliographic agency: UNIMARC 1, Other MARC formats 2
National library: 1
Public library: 1

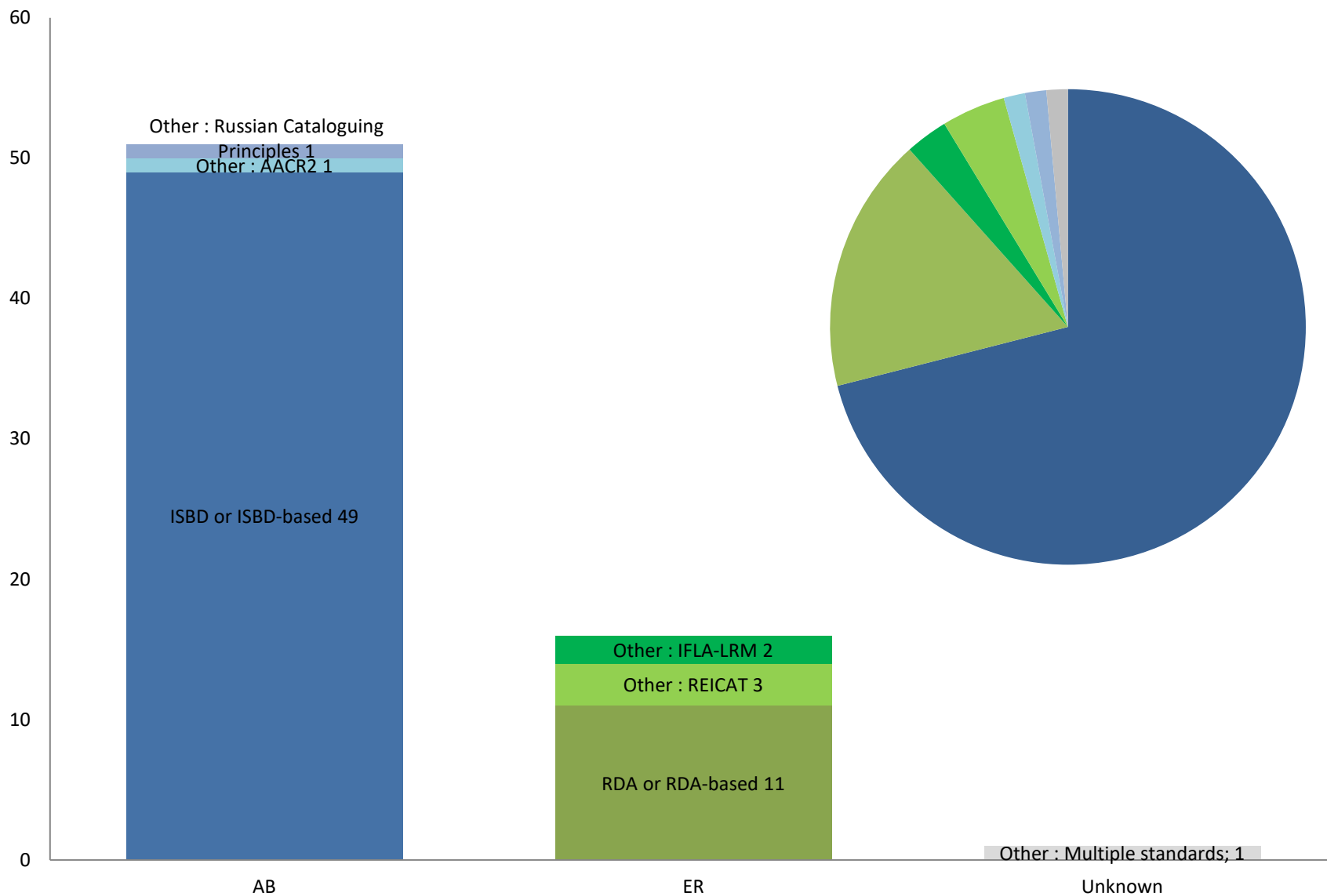**FORMAT USE PROFILES : PROFILE 2 − MULTIPLE OUTPUT**

FORMAT USE PROFILES : PROFILE 3 – MULTIPLE INPUT
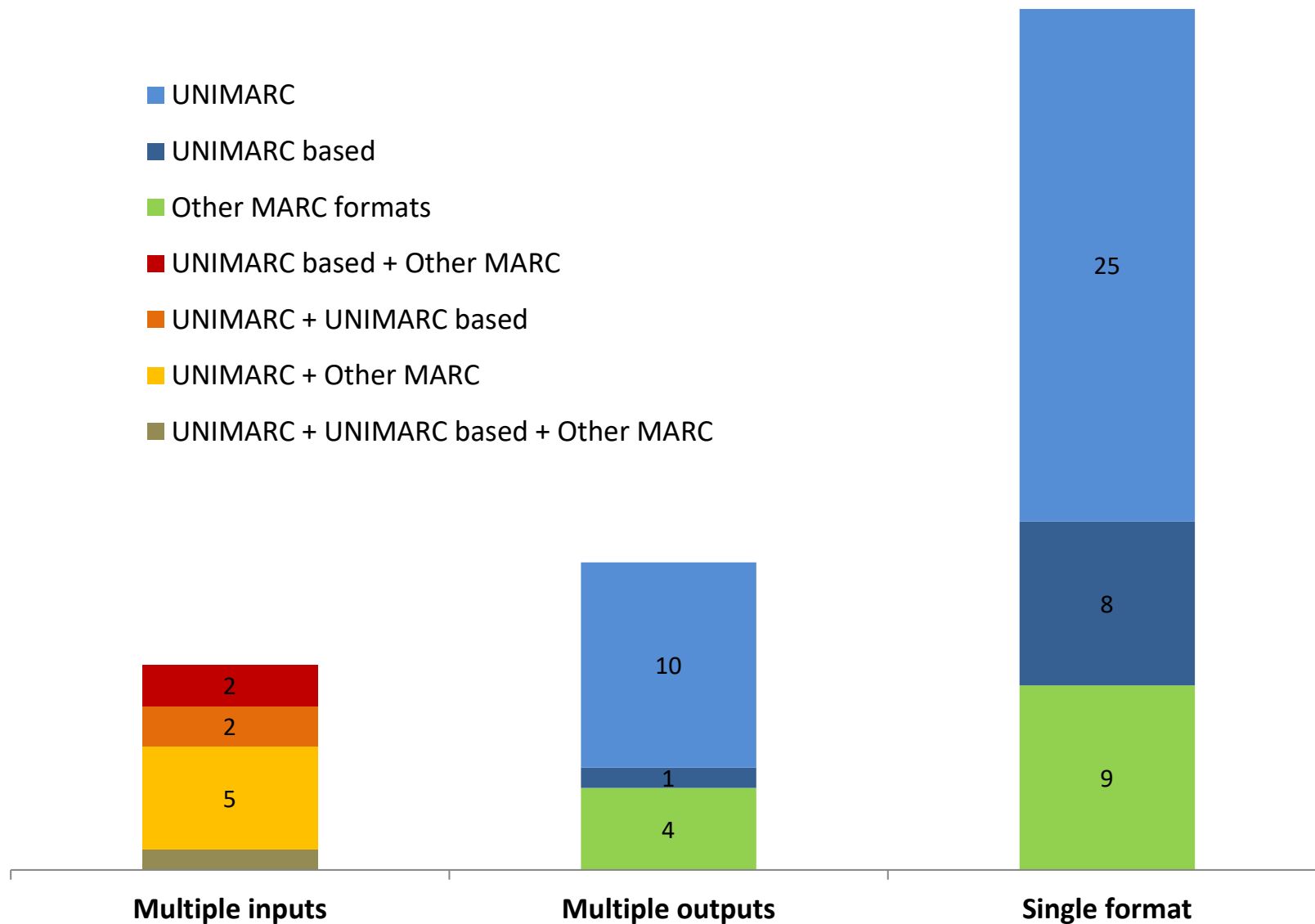
FORMAT USE PROFILES :
FORMAT COMBINATION STRATEGY BY ENCODING FORMAT(S)

3. UNIMARC USERS AND THE NEW STANDARDS

60

50

Other : Russian Cataloguing
Principles 1
Other : AACR2 1

40

30

ISBD or ISBD-based 49

20

Other : IFLA-LRM 2

Other : REICAT 3

10

RDA or RDA-based 11

0

Other : Multiple standards; 1

AB | ER | Unknown

CONTENT STANDARDS
USED BY UNIMARC OR UNIMARC-BASED USERS FOR PRODUCTION

Russian Cataloguing Principles; 1

ACCR2; 1

ISBD or ISBD-based; 45

RDA or RDA-based; 4
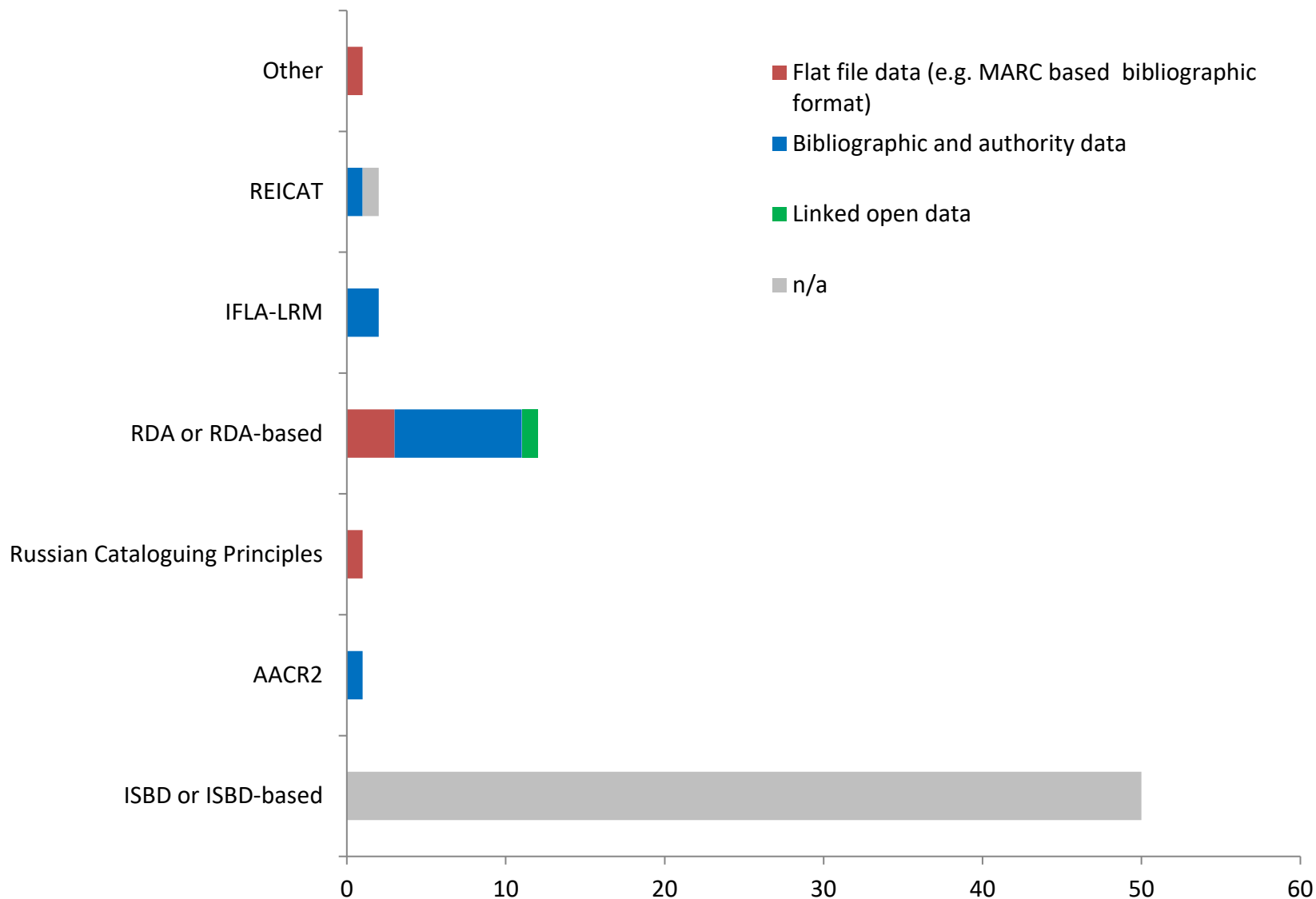
REICAT; 1

IFLA-LRM; 2

AB

ER
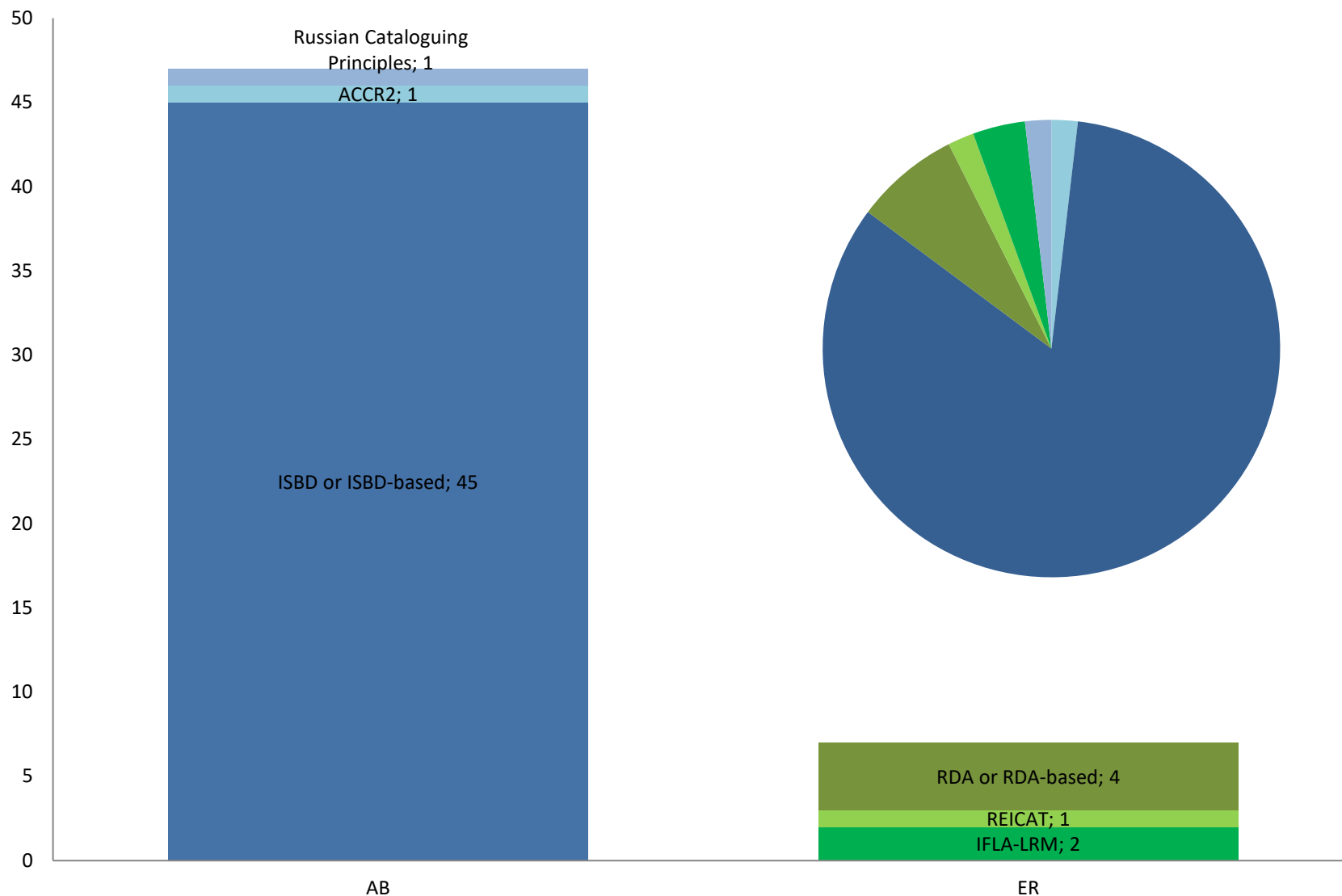
CONTENT STANDARDS
USED BY UNIMARC OR UNIMARC-BASED USERS FOR PRODUCTION
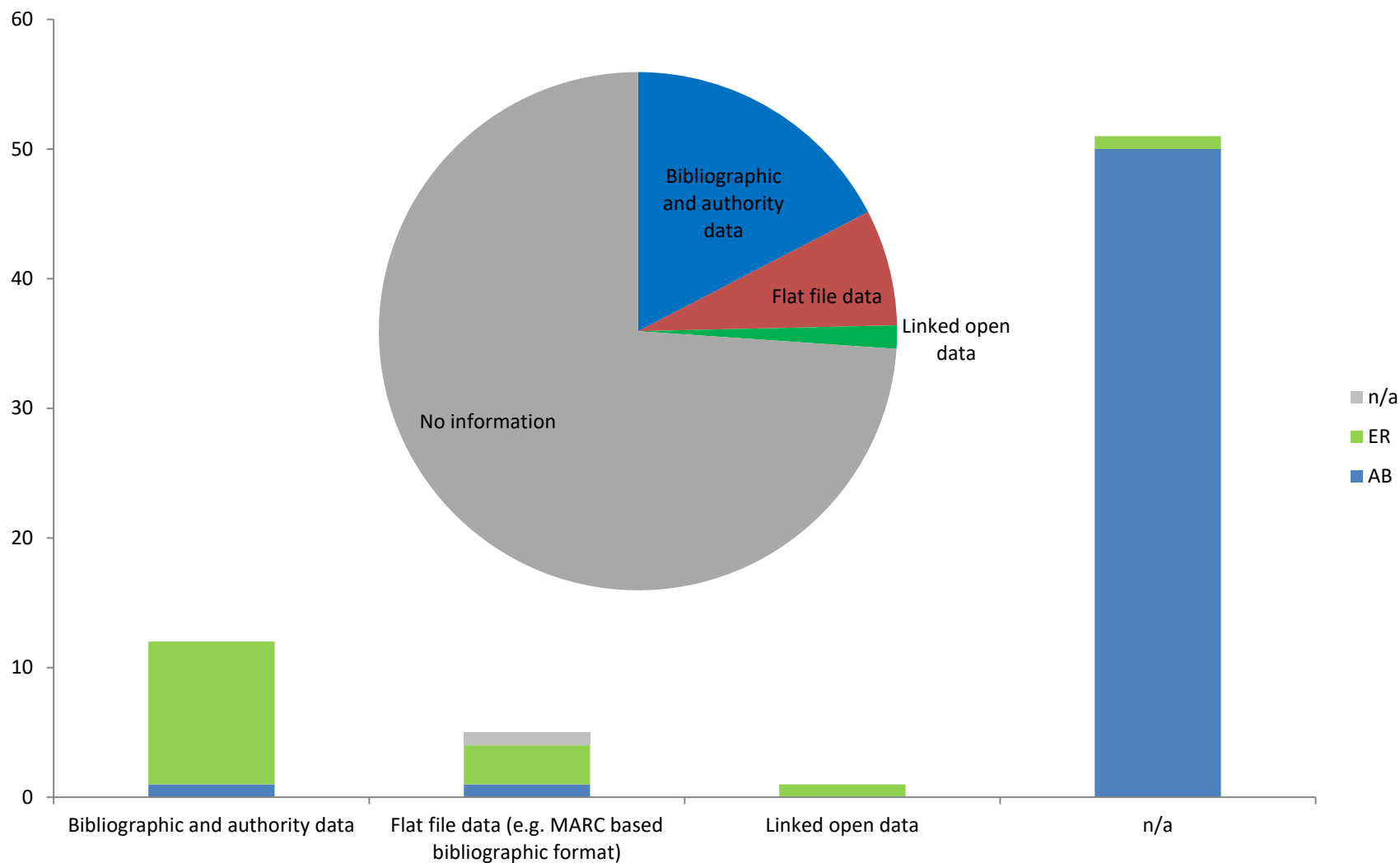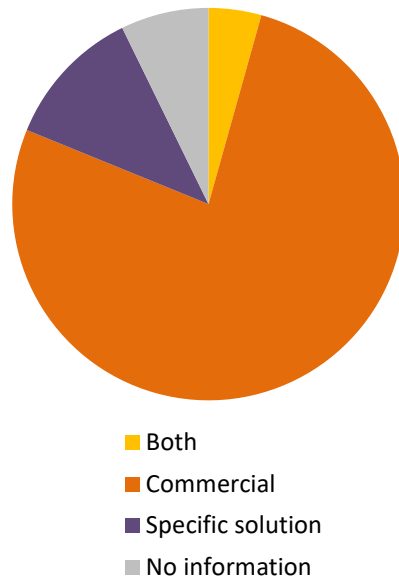
IMPLEMENTING CONTENT STANDARDS
CURRENT MAIN STRATEGY OVERALL AND BY CONTENT STANDARD TYPE

IMPLEMENTING CONTENT STANDARDS
CURRENT MAIN STRATEGY BY SPECIFIC CONTENT STANDARD

Type of ILS/LPS/service used by respondents

- ■ Both
- ■ Commercial
- ■ Specific solution
- ■ No information

Type of content standard supported by ILS/LPS/Service

	Commercial	Specific solution
■ Other content standard not based on an entity-relationship model	1	
■ Other		2
■ Other content standard based on an entity-relationship model	1	
■ RDA or RDA-based	10	1
■ ISBD or ISBD-based	41	5
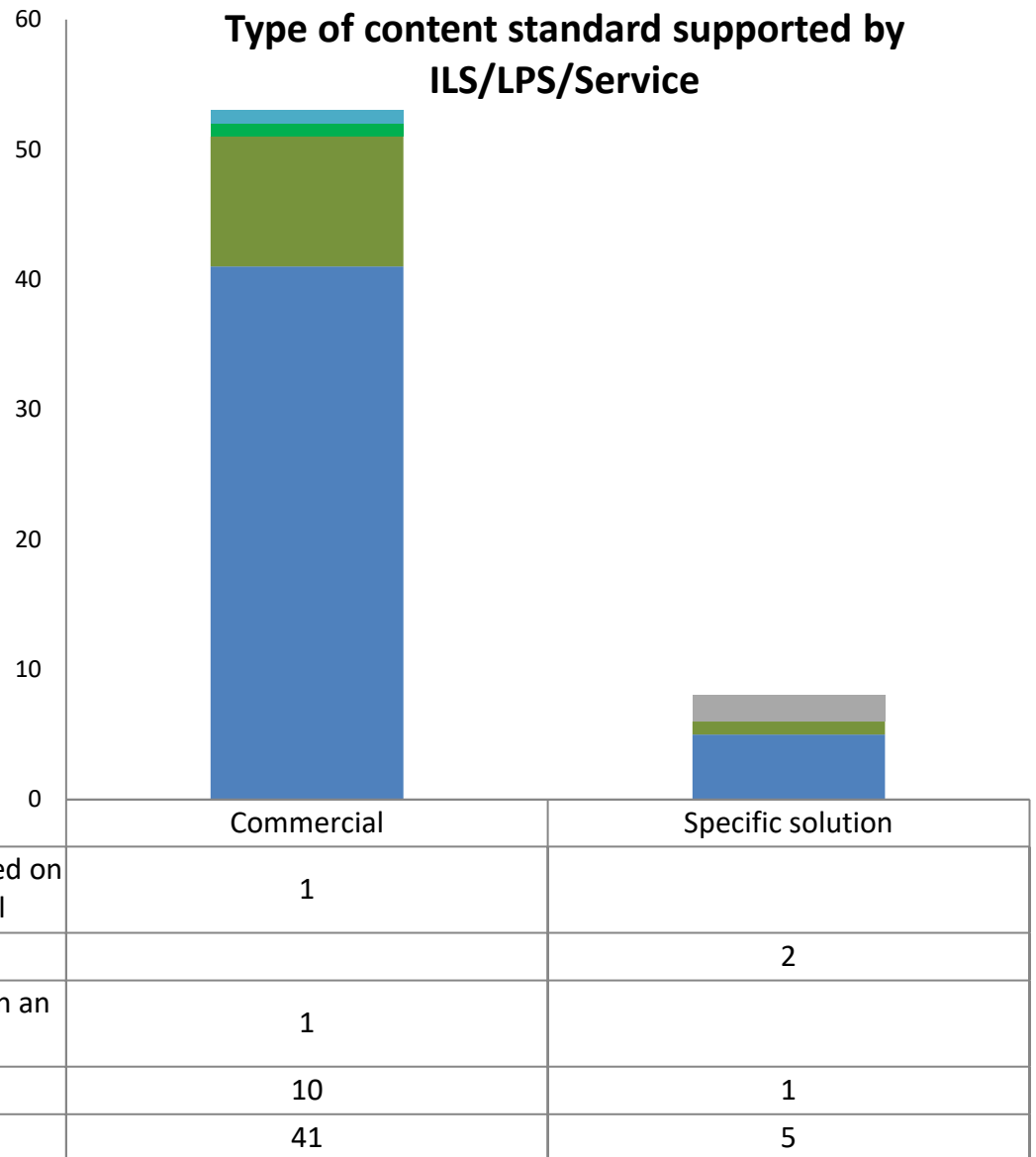
IMPLEMENTING CONTENT STANDARDS
CURRENT MAIN STRATEGY BY SPECIFIC CONTENT STANDARD

Plans to change

- Nothing
- ILS/technical framework
- Echange/dissemination standard
- Content/cataloguing standard

Values shown: 5, 3, 15, 46
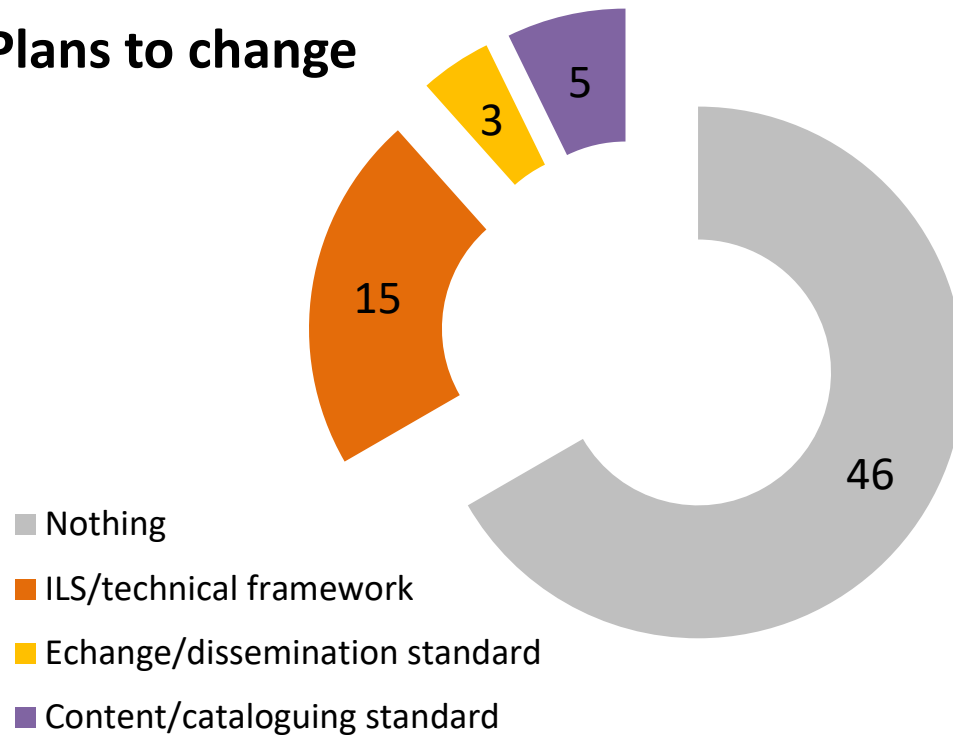
Reasons for changing

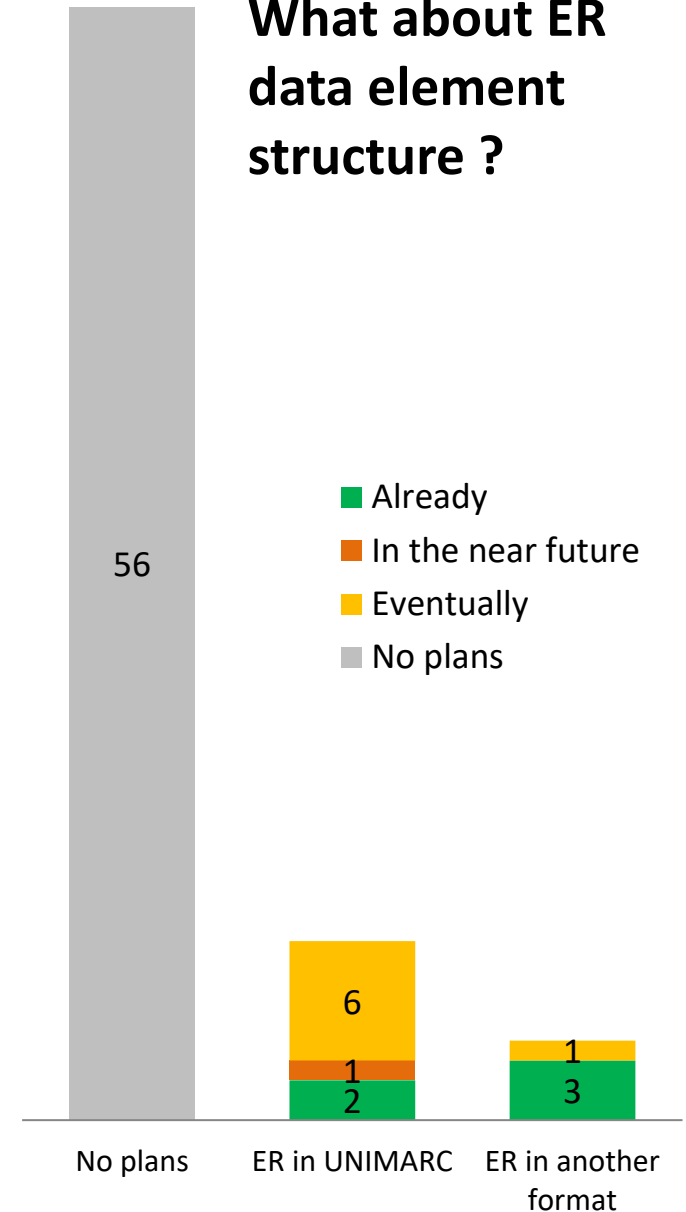- Need to replace their ILS (technically obsolete, financial reasons, integration into a network) (7)
- Wish to adopt a new ER content standard or format (5)

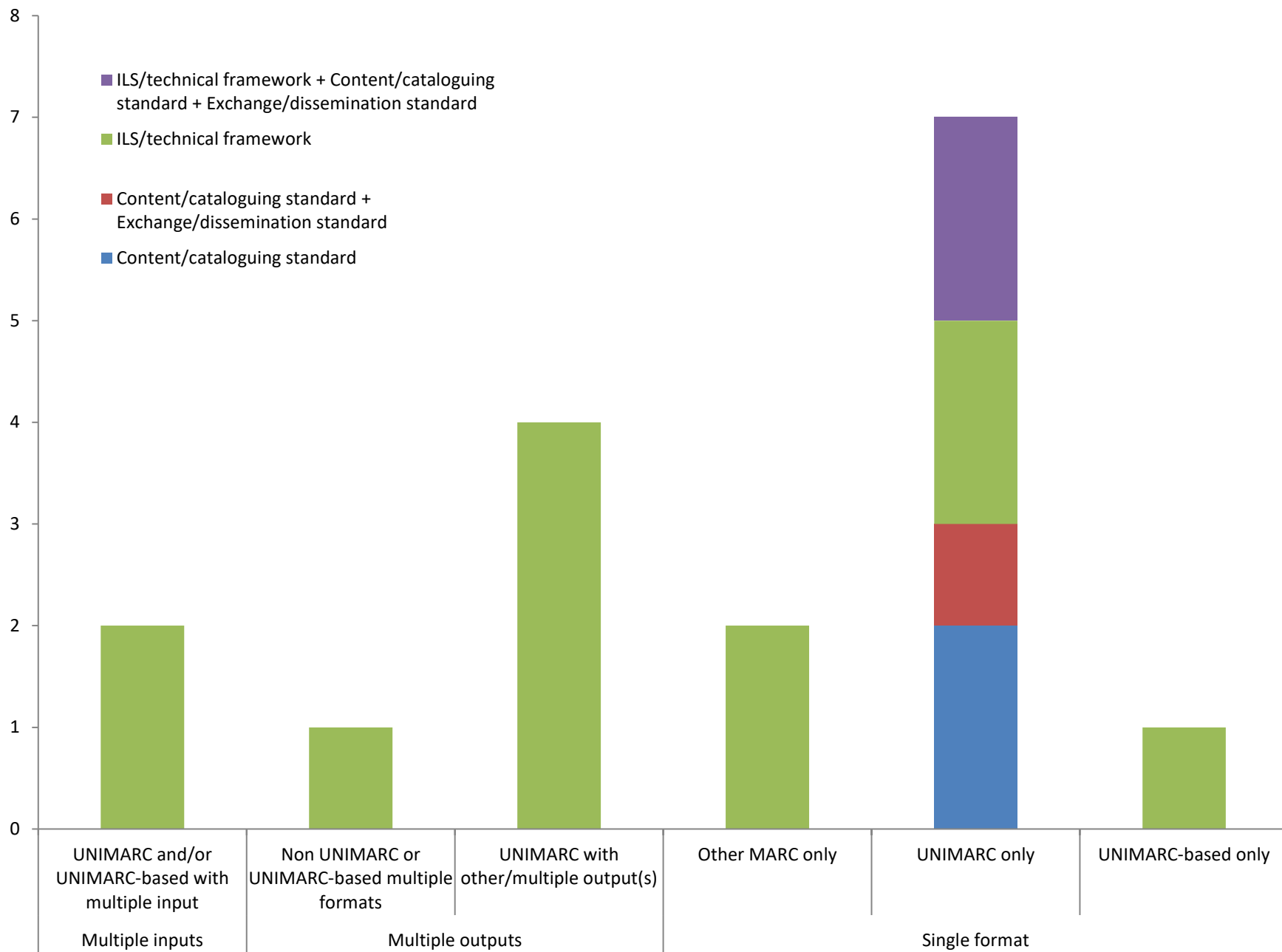## FUTURE PLANS OF USERS TO CHANGE OR NOT TO CHANGE, AND HOW ?

What about ER data element structure ?

- Already
- In the near future
- Eventually
- No plans

No plans	ER in UNIMARC	ER in another format
56	6 / 1 / 2	1 / 3

Planned changes by profile

Legend:
- ILS/technical framework + Content/cataloguing standard + Exchange/dissemination standard
- ILS/technical framework
- Content/cataloguing standard + Exchange/dissemination standard
- Content/cataloguing standard

	Multiple inputs	Multiple outputs		Single format		
	UNIMARC and/or UNIMARC-based with multiple input	Non UNIMARC or UNIMARC-based multiple formats	UNIMARC with other/multiple output(s)	Other MARC only	UNIMARC only	UNIMARC-based only

Did you know that UNIMARC supports ER cataloguing ?

Legend:
- **Yes** (green): 37
- **No, but I am interested** (light green): 17
- **No, and I am not interested** (red): 14
- **No answer** (grey): 1
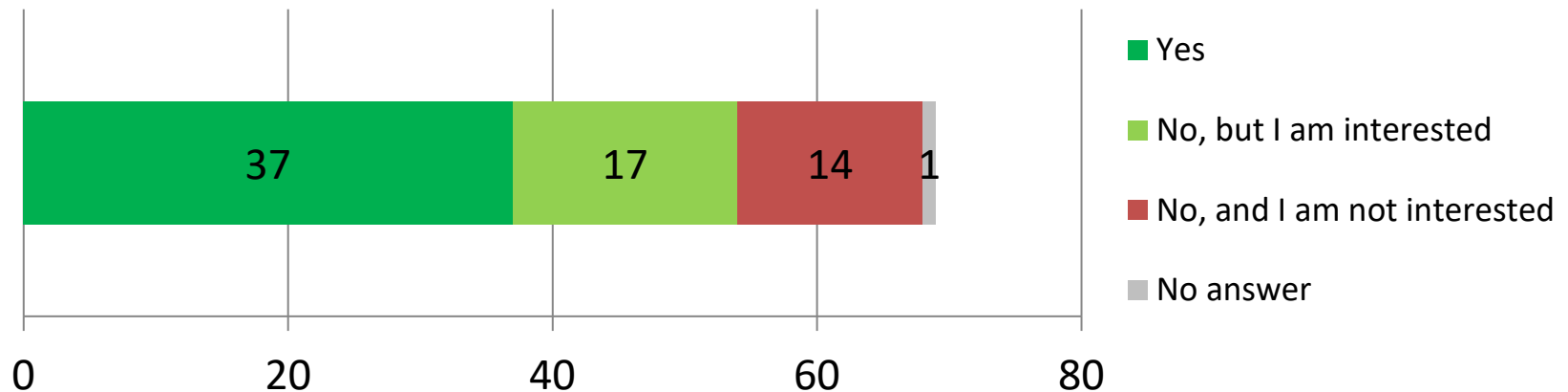
User expressed needs

- **Better and more user-friendly documentation** online (manuals, information about UNIMARC ER)

- **Tutorials**, especially on how to migrate from classic UNIMARC to UNIMARC ER

- **Compliance with RDA**, with frequent updates

USERS INFORMATION LEVELS AND NEEDS EXPRESSED

Thank you for your attention

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