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BASIC DIGITAL SKILLS FOR ROMANIAN CITIZENS:

A systemic approach

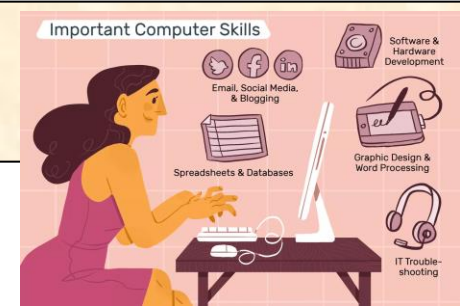
BASIC DIGITAL SKILLS FOR ROMANIAN CITIZENS
Central University Library Carol I, April 6th, 2023

Library – Culture hub



Digital culture hub (knowledge hub)

- What are the needs of citizens?
- Who will be the trainers?
- What will be the financial resources?
- How will it be implemented at the library level?



Sursa foto:

<https://www.thebalancemoney.com/computer-skills-list-2063738>

Citizens' needs:

I. Basic knowledge (how to use a PC)

- Brief description of PC, mobile, tablet, laptop hardware; how to start and how to shut down (ON/OFF)
- Windows: tree organization of files, the search function by name, the role of file extensions, how to save a file and where.
- Office applications: word, excel, power-point. Copy-paste function

II. Up-date basic knowledge

- Internet browsing: a few kind of browsers, google, how to make an email account.
- Other sites: News, Agriculture, sports, cuisine, TV programs, streaming, social media
- Communication applications: zoom, Webex, google-meet, Microsoft teams
- Consulting sites for different documents: how to upload and how to download

III. Learning about free digital services for them (interfaces with public administrations)

- Description of some Payment Sites: commercial and utilities;
- Creating user accounts and retaining passwords
- Making payments and taxes electronically on the dedicated websites (CEZ/e-on, Engie, Digi/ Vodafone/ Orange, County water companies, "ghiseul.ro" for taxes, bank websites)

IV. Learning about getting information via internet (data bases, research engines, etc.)

- Internet search engines, information filtering
- Content organizing and dissemination

V. Special knowledge (data protection, cyber-security, data privacy etc.)

- Electronic signature, GDPR measures, data security, anti-phishing measures, saving data on external media

VI. High-level knowledge (data meaning, AutoCAD, graphic design, media editing)

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Sursa imagine: TWEET. The IT Trainer

Trainers

- Librarians (they have to be trained in order to be able to transfer knowledge to the citizens)
- Teachers (schools, universities, etc.)
- Trainers with adequate knowledge (certified trainers)
- Staff from private ICT companies interested to promote their products

Librarians

Table 1. (2019) Libraries Distribution by category in Romania

LIBRARY TYPE		Total	% of Total
National Libraries		3	0,03%
Publicly Libraries:		2168	24%
<i>From which</i>	Districtual	41	0,44%
	Municipal and Urban	250	3%
	Communal / Rural	1877	20%
Higher Education Institutions Libraries / University libraries		91	1%
Specialized libraries		415	5%
School libraries		6545	71%
Total		9222	100%

The Dynamics of the total number of libraries in Romania (2004-2020)



Teachers (universities)

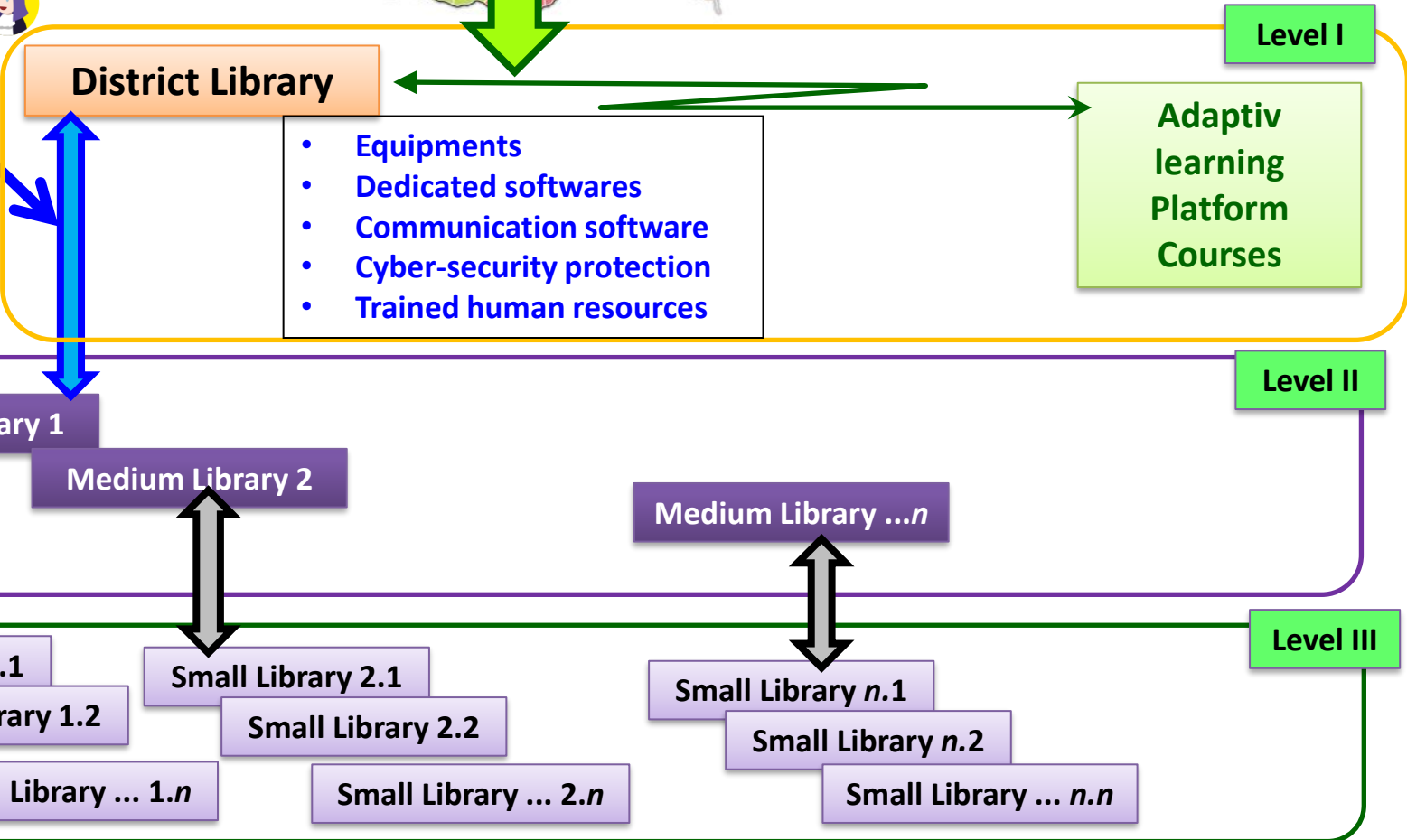
ROMANIA Development Region	Number of Universities	NOTES
North – East Development Region – Bacău, Botoșani, Iași, Neamț, Suceava și Vaslui (<i>counties</i>)	13	9 Iasi + 2 Bacau + 1 Suceava + 1 Roman
South - East Development Region – Brăila, Buzău, Constanța, Galați, Vrancea și Tulcea (<i>counties</i>)	6	4 Constanta + 2 Galati
South - Muntenia Development Region – Argeș, Călărași, Dâmbovița, Giurgiu, Ialomița, Prahova and Teleorman (<i>counties</i>)	4	2 Pitesti + 1 Targoviste + 1 Ploiesti
South - West Oltenia Development Region – Dolj, Gorj, Mehedinți, Olt și Vâlcea (<i>counties</i>)	3	2 Craiova + 1 Targu Jiu
West Development Region – Arad, Caraș–Severin, Hunedoara și Timiș (<i>counties</i>)	11	7 Timisoara + 2 Arad + 1 Lugoj + 1 Petrosani
North - West Development Region – Bihor, Bistrița-Năsăud, Cluj, Sălaj, Satu–Mare și Maramureș (<i>counties</i>)	14	10 Cluj Napoca + 4 Oradea
Central Development Region – Alba, Brașov, Covasna, Harghita, Mureș și Sibiu (<i>counties</i>)	6	2 Sibiu + 1 Brasov + 2 Tg Mures + 1 Alba Iulia
București - Ilfov Development Region – BUCHAREST and Ilfov county.	16	
TOTAL	73	

Library network at district level, for a single "cell"

National Library System



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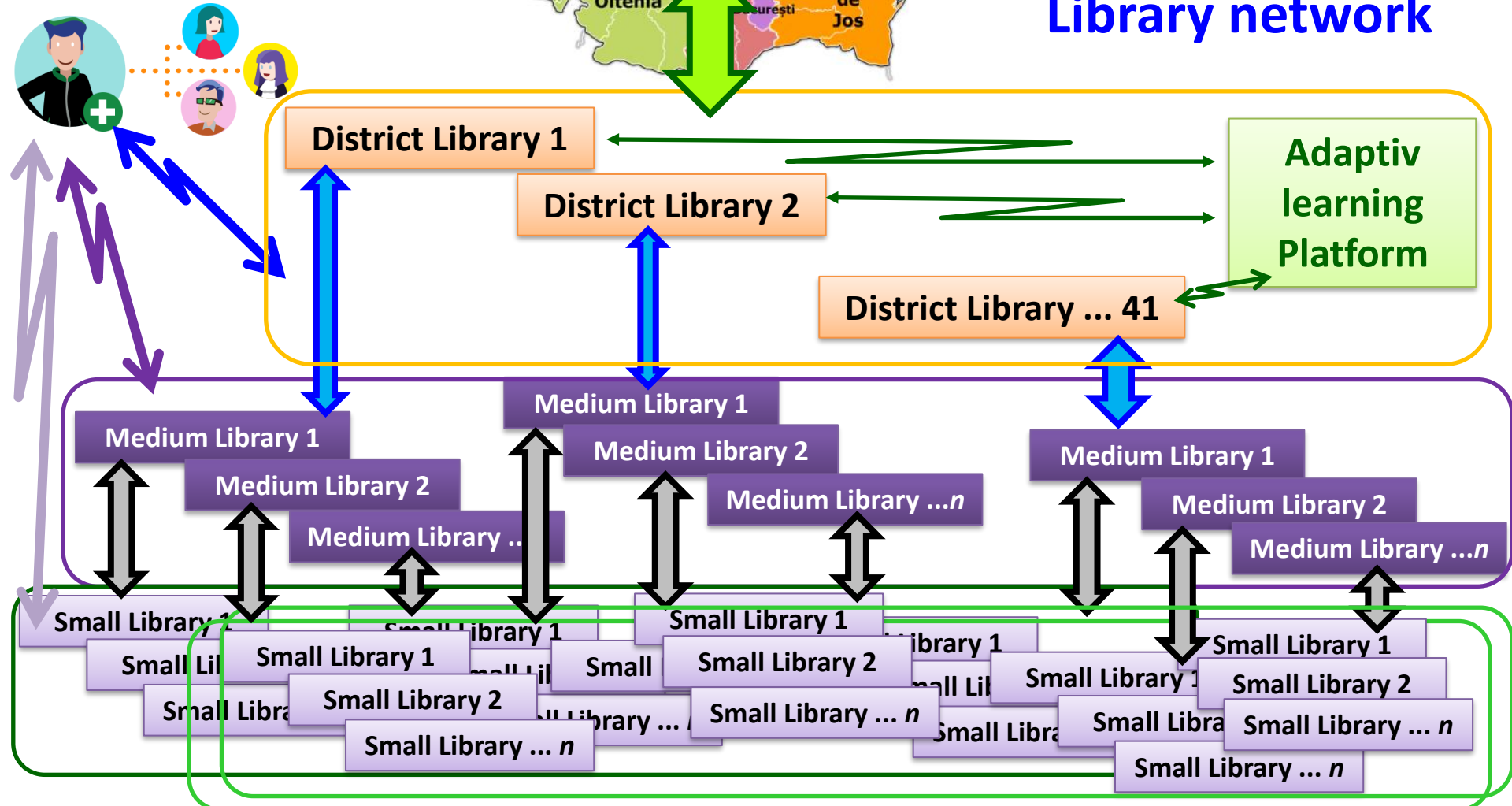


National Library System



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Library network



Conclusions

- The ICT citizens' skills represent a **great necessity** in Romania
- The district Libraries can offer an **appropriate environment** for ICT knowledge developing and digital hubs
- Most medium and small libraries have to be supported through **ICT infrastructure improving**
- The library human resources have not enough competences for ICT teaching at the all levels
- There is **ICT human resources** for training outside of libraries
- Financial resources could be find if it is **a clear objective and strategic plan**
- There is not **a strategy** at national level dealing with digital transformation of libraries and ICT skills developing of citizen
- All actors – central & local administration, schools & universities, private sectors, NGO – have to cooperate to touch the main objective: increasing the ICT citizens skills, based on Library-Hubs.

Thank You!

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