APPENDIX 12 MATCHING DIGCOMP WITH DiCoSP DIGITAL COMPETENCE FRAMEWORK AND DATA COLLECTION FOR PROFESSIONAL DIGITAL COMPETENCE

Knowledge	Skills/Skills	Attitudes
Know programs, devices, artificial intelligence or robots Knowledge of the basic functions and use of various devices, programs and networks.	Be able to use, access, filter, assess, create, program, and share digital content. Confident use of digital technologies	Ethically responsible use of digital technologies Develop a critical attitude toward the validity, reliability, and impact of digitally available information and data.
Understanding how digital technologies can foster communication, creativity and innovation	Be able to use digital technologies for active citizenship, social inclusion, and collaboration with others	Developing a reflective, critical, curious, and open-minded attitude toward interaction with digital technologies and content.
Understanding of underlying general principles, rules, and logic of ever-evolving digital technologies.	Be able to use digital technologies creatively for personal, social or commercial goals	
Awareness of associated opportunities, limitations, effects and risks	Be able to leverage programs, devices, artificial intelligence or robots	
Awareness of the legal and ethical principles associated with the use of digital technologies	Be able to manage and protect digital information, content, data, and profiles	

DK is operationalized in the five competence areas of DigKomp as follows:

PROFESSIONAL DIGITAL COMPETENCE	
1. partial competence: information and data competence (information competence according to LARRAZ)	**2. partial competence: communication and cooperation** (communication competence according to LARRAZ)
1.1. Research, search and filter data, info and digital content. Identify information needs, search for, access, and navigate among data, info, and content in digital environments, create and update personal search strategies.	**2.1 Interaction by means of digital technologies** interact using various digital technologies and understand appropriate digital communication in a given context
1.2. Evaluate data, info, and digital content Analyze, compare, interpret, and critically evaluate credibility and reliability of data, info, and digital content sources.	**2.2. exchange of data, info and digital content by means of digital technologies** Act like a mediator, know referencing and attribution practices.
1.3. Manage data, information and digital content Organize, store and retrieve data, information and content in digital environments, organize and process them in a structured environment.	**2.3.Engage as a citizen using digital technologies** Participate in society by using private and public digital services; seek opportunities to educate themselves; participate socially through appropriate digital technologies;
	2.4.Collaborate using digital technologies Use digital tools and technology for processes of collaboration, co-construction and co-creation of data, resources and knowledge;
	2.5 Netiquette Be aware of behavioral norms and know-how when using digital technologies and interacting in digital spaces, Adapt communication strategies to specific audiences and be aware of cultural and age diversity in digital spaces;
	2.6 Digital identity management Establish one or more digital identities; be able to protect one's reputation; handle data generated in different tools, environments, and services;

3rd partial competence: Creation of digital content (multimedia competence according to LARRAZ).

3.1 Development of digital content
Create and edit digital content in various formats; express themselves using digital media;

3.2 Integration and further processing of digital content
Modify, refine, improve, and integrate info and content into a body of knowledge to create new, original, and relevant content and knowledge;

3.3 Copyrights and licenses
Understand how copyrights and licenses apply to data, info, and digital content;

3.4 Programming
A set of understandable instructions for a computer system plan and develop to a given problem. Solve

4. partial competence: safety (technological competence according to LARRAZ)

4.1 Protect devices
Protect devices and digital content; understand risks and threats in digital environments; know security measures and give due consideration to reliability and privacy;

4.2 Protect privacy and personal information in digital environments; understand how personal information is used and shared, can protect self and others from harm; understand that digital services use a "privacy statement" to inform how personal information is used.

4.3 Protect health and well-being
Be able to avoid health risks and threats to physical and mental well-being due to the use of digital technologies; be able to protect themselves and others from dangers in digital environments, e.g., cyberbullying; be aware of the impact of digital technologies on social well-being and inclusion;

4.4 Protect the environment
Be aware of the impact of digital technologies and their use on the environment

5. partial competence: problem solving (technological competence according to LARRAZ)

5.1 Solve technical problems
Identify technical issues when using digital devices and environments and resolve them from simple troubleshooting to solving complex problems;

5.2 Analyze needs and find technical answers
Find, evaluate, select, and use digital tools and technological responses; identify needs and be able to identify, evaluate, select, and use digital tools and possible technological responses to address them; adapt digital environments to meet personal needs (e.g., barrier-free access).

5.3 Using digital technology creatively
Use digital tools and technologies to generate knowledge and innovate processes and products; engage in cognitive processing individually and collectively to identify and solve conceptual problems and problem situations in digital environments;

5.4 Identifying digital competence gaps
Understand where own digital literacy needs to be improved and updated; be able to support others in their digital literacy development; seek opportunities for training and keep up to date with digital developments;

DiCoSP ITEMS FOR DATA ON PROFESSIONAL DIGITAL COMPETENCE

SURVEY ITEMS TECHHNOLOGICAL COMPETENCE TC		CODE DIGKOMP SECURITY
G2Q00003 SQ019	I can promote the competence of students to protect themselves in the digital space.	SEC
G2Q00003 SQ004	I take into account risks and dangers in digital environments in my professional practice (e.g., use of a privacy-compliant platform for online counseling)	SEC
G2Q00003 SQ014	I take care of my digital well-being by, for example, drawing boundaries between leisure and work	SEC
G2Q00003 SQ022	I know professional and legal standards to ensure the quality of my digital services	SEC

		SEC
G2Q00003 SQ021	I am able to help schools prevent cyberbullying	SEC
G2Q00003 SQ012	I advocate for children's rights in the digital space	SEC
G2Q00004 SQ002	How important are digital skills in learning support and how often do you use digital resources	SEC
G2Q00004 SQ003	How important are digital skills in health promotion and how often do you use digital resources	SEC
G2Q00004 SQ010	How important are digital skills in crisis intervention and how often do you use digital resources	SEC
G2Q00004 SQ011	How important are digital skills in treatment/therapy and how often do you use digital resources	SEC
G2Q00004 SQ012	How important are digital skills in assessments and how often do you use digital resources	SEC
G200005 SQ002	I can deal with complexity, e.g. by alternating synchronous/asynchronous or online/offline work	SEC
G200005 SQ003	I can endure uncertainties and deal with risks, for example, by carrying out an online consultation without having everything under control technically.	SEC
G200005 SQ005	I can organize myself well in the face of increasing flexibility in working hours and jobs	SEC
G200005 SQ010	I am convinced that I can use digital resources effectively in my job	SEC

SURVEY ITEMS TECHNOLOGICAL COMPETENCE TC		CODE DIGKOMP PROBLEMSOLVING/ TECHNOLOGICAL COMPETENCE
G2Q00003 SQ013	I know technical solutions to protect confidentiality in digital consulting	PBL
G2Q00003 SQ015	I can use assistive resources to enable digital participation of students with disabilities.	PBL
G2Q00003 SQ016	I self-critically reflect on my own digital practice and actively develop it further	PBL
G2Q00003 SQ023	I understand the impact of digitization on SP practice	PBL
G2Q00003 SQ024	I can systematically evaluate my digital applications	PBL
G2Q00004 SQ009	How important are digital skills in your own training and how often do you use digital resources	PBL
G2Q00004 SQ014	How important are digital skills in the evaluation of projects/services and how often do you use digital resources	PBL
G200005 SQ011	I like to deal with technical devices	PBL
G200005 SQ007	I like to learn new things	PBL
G200005 SQ001	I am willing to actively engage in change (e.g., offer an online calendar for meeting appointments)	PBL
G200005 SQ004	I am good at prioritizing when dealing with a flood of emails	PBL
G200005 SQ008	I can think agilely, for example, by making suggestions to my employer on how the service offering can be improved digitally	PBL
G200005 SQ009	During the school shutdown, despite many concerns, I took responsibility for a remote work	PBL
G200005 SQ012	I make an effort to analyze difficulties encountered online, find an improvement and try it out next time	PBL
G200005 SQ013	I constructively address problems and conflicts in my work environment related to digital ways of working	PBL

G2Q000064	I can deal with digital challenges in my job as needed (Koenner)	PBL
G2Q000065	I easily master digital requirements in my job and contribute to the digital transformation in my work environment due to my high level of competence (Expert)	PBL
G2Q000067	I support my work environment in working appropriately with digital ressources as needed (coordinator)	PNL
G2Q000068	I like to help my colleagues solving digital problems (mentor)	PBL

SURVEY ITEMS COMMUNICATION COMPETENCE		CODE DIGKOMP COMMUNICATION AND COLLABORATION
G2Q00003 SQ005	I know how to protect my own digital identity	COCO
G2Q00003 SQ006	I can communicate digitally (e.g. via Zoom, WhatsApp, Snapchat) according to the needs of my target group/person]	COCO
G2Q00003 SQ018	I consider the importance of digital tools for young people	COCO
G2Q00003 SQ007	I digitally network with other partner organizations to promote the healthy development of children (e.g., child and youth networks in Austria	COCO
G2Q00003 SQ008	I can effectively use digital tools (e.g., Etherpad) in collaborative casework with colleagues.	COCO
G2Q00004 SQ001	How important are digital skills in counselling and how often do you use digital resources	COCO
G2Q00004 SQ004	How important are digital skills in supooring pedagogical staff and how often do you use digital resources	COCO
G2Q00004 SQ005	How important are digital skills in supporting parents and how often do you use digital resources	COCO
G2Q00004 SQ016	How important are digital skills in collegial cooperation and how often do you use digital resources	COCO
G2Q00004 SQ017	How important are digital skills in communicating witth your target groups and how often do you use digital resources	COCO
G200005 SQ006	I also succeed in building a personal relationship in digital communication	COCO

SURVEY ITEMS INFORMATION AND DATA COMPETENCE IDC		CODE DIGKOMP IDC.
G2Q00003 SQ002	I can find digital specialist information (e.g. psychological databases, and filter it for quality).	IDC
G2Q00003 SQ017	I know electronic test procedures for students and can critically evaluate their psychometric qualities.	IDC
G2Q00003 SQ001	I can safely and creatively use various digital tools (e.g., email, PDF, PPT, Zoom, BigBlueButton scientific blogs) on the Internet	IDC
G2Q00003 SQ020	I know which information about students may be stored digitally due to legal regulations.	IDC
G2Q00003 SQ003	I can organize, store, retrieve, and send reports digitally	IDC
G2Q00004 SQ013	How important are digital skills in report writing and how often do you use digital resources	IDC
G2Q00004 SQ015	How important are digital skills in administration and how often do you use digital resources	IDC

SURVEY ITEMS MEDIA COMPETENCE MEC/EDICREA		CODE DIGCOMP
G2Q00003 SQ010	I am familiar with digital copyrights and licenses	EDICREA/ MEC
G2Q00003 SQ011	I can write simple programs to facilitate my office work	EDICREA/ MEC
G2Q00003 SQ009	I can design and present an SP topic digitally in a variety of formats (e.g., PDF, PPT, video, audio, photo, blog), e.g., guidance for parents on dealing with school lockdown	EDICREA/ MEC
G2Q00004 SQ006	Informing the public on relevant topics	EDICREA/ MEC
G2Q00004 SQ007	How important are digital skills in psychoeducation and how often do you use digital resources	EDICREA/ MEC
G2Q00004 SQ008	How important are digital skills in trainings of pedagogical staff and how often do you use digital resources	EDICREA/ MEC
G2Q000066	I like to introduce new digital procedures or tools in my workplace more frequently (innovator)	EDICREA/ MEC