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INNOMATH: Innovative enriching education processes for Mathematically Gifted Students in Europe

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QUESTIONNAIRE

Assessing and commenting on the extent of usefulness of the ideas of L-Cloud in the INNOMATH context

Complete the following questionnaire by assessing the degree of contribution of each competency in the strengthening of a teacher’s competencies, aiming to support mathematically gifted students. Mark with: 4 (Excellent), 3 (Good) 2(satisfactory), 1(little). Furthermore add your comments on the advantages, practicality and difficulties you would expect in applying these competencies in an INNOMATH class

| AREAS | COMPETENCES | MARK 1,2,3,4 | |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|
| 1. Communication, Collaboration and Participation | 1.1. Knowledge of the foundations of communication as applied to Cloud Education Environments (CEE). | | |
| | 1.2. Ability for communication in CEE. | | |
| | 1.3. Ability to establish a shared vision on CEE in the educational organization. | | |
| | 1.4. Capacity to build and consolidate communities of interest related to CEE. | | |
| | 1.5. Negotiation skills (social and political interactions) with multiple educational stakeholders, actors and contexts, and decision making in cloud education. | | |
| | 1.6. Ability to manage personal emotions. | | |
| | 1.7. Disposition to team building and active participation in CEE. | | |
| 2. Innovation, Creativity and Creation | 2.1. Knowledge of the foundations of creativity as applied to CEE | | |
| | 2.2. Ability to lead cloud education innovations in parallel to the pedagogical project and the infrastructure of the centre | | |
| | 2.3. Ability to creatively use CEE in different educational contexts. | | |
| | 2.4. Disposition to investigate about current research, innovations and best practices in the field of cloud education. | | |
| | 2.5. Disposition to express creative ideas, experiences and emotions about CEE. | | |

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| 3. Professional Development | 3.1. Understanding, construction and continuous reflexion on educational leaders' professional digital identity in CEE. | | |
| | 3.2. Ability to actively participate in educational research and practitioner networks in CEE. | | |
| | 3.3. Ability to critically assess your own practice as leaders and develop their understanding of effective and sustainable leadership. | | |
| | 3.4. Disposition to participate in cloud education Professional Development programmes (CPD). | | |
| | 3.5. Disposition to promote reflexive practice and professional development focused on engagement, responsibility, teaching, learning and leadership, and keeping abreast of change. | | |
| 4. Ethics and professional responsibility | 4.1. Knowledge on the effective and ethical use of the different types of CEE (public, private and hybrid) and their services, tools and functionalities (SaaS, PaaS and IaaS). | | |
| | 4.2. Knowledge on legal issues related to safety, data protection, privacy and a responsible use of CEE. | | |
| | 4.3. Ability to solve complex problems in CEE. | | |
| | 4.4. Disposition to Identifying and removing barriers to create/maintain a cloud education infrastructure. | | |
| | 4.5. Disposition to motivating, encouraging, trusting and valuing colleagues to create and use cloud education in their contexts | | |
| | 4.6. Disposition to social and global awareness and responsibility in relation to CEE. | | |
| | 4.7. Disposition to promote and build an ethical digital identity in cloud education. | | |
| 5. Intercultural relationships and internalization | 5.1. Knowledge on international and global aspects of CEE. | | |
| | 5.2. Ability to build and maintain intercultural relationships with partner, stakeholders and the educational community as a whole through CEE. | | |
| | 5.3. Disposition to promote international mobility, entrepreneurship, training and cooperation on cloud education. | | |
| | 5.4. Disposition to respect and become aware of the diversity of learners' cultures, and identify common values. | | |
| | 5.5. Commitment to foster inclusion, cross-cultural skills and equal opportunity in CEE. | | |
| 6. Pedagogical and Organizational | 6.1. Pedagogical content knowledge in relation to different subjects, contents and structure in CEE. | | |
| | 6.2. Knowledge on contextual, institutional, organizational aspects of educational policies | | |
| | 6.3. Knowledge on class management, assessment and feedback processes in CEE. | | |
| | 6.4. Skills on using, developing, creating and managing CEE, including applications, devices, and networks | | |
| | 6.5. Skills on selecting, creating, organizing, sharing and publishing educational content according to different CEE. | | |
| | 6.6. Skills to identify students' learning needs, and learning progress in the cloud. | | |

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| | 6.7. Disposition to accept responsibilities to planning and implementing CEE. | | |
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