

*Improvement of children care  
teaching as a template for  
upgrading medical education in  
Central Asia*

Co-funded by the  
Erasmus+ Programme  
of the European Union



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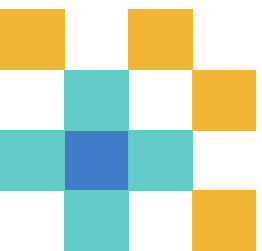


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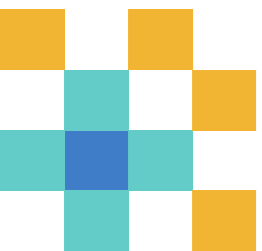
## General objectives

- 1) To improve children's care in Central Asia Countries through a **modern and innovative postgraduate training** of the specialists devoted to their care
- 2) To utilise the project as a feasibility study of a new way of structuring and delivering postgraduate training in the field of children care in CA Countries, as a template for the same improvements in other medical fields
- 3) To improve the possibilities of implementing a successful future structural project aiming to modernise delivery of postgraduate medical training in CA countries



## Specific objectives of the project

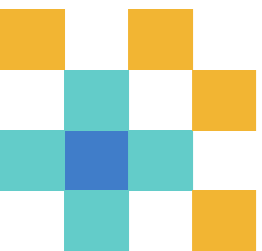
- 1) To increase and improve the quality of professionals trained in CA HEI who work for the care of children, both at hospital level and in the primary paediatric health care, through the development and implementation of new constructive and collaborative curricula in children care management resorting to updated contents and modern teaching techniques such as e-learning components and simulation-based training
- 2) To improve the level of competences and skills in CA HEIs for the design and implementation of postgraduate curricula in medical fields, emphasising the need of an holistic approach and interdisciplinary interaction
- 3) To introduce ICT technologies to implement an effective virtual interaction among partner HEIs



## Preparation Working packages

**WP-1:** aimed at learning and analysing the user needs for the settlement of the baseline of a curricular proposal for the upgrading of postgraduate training in children care.

**WP-2:** aimed to quantify the hospital services dedicated to children care in terms of structures, staff and ancillary services, and the forecasted need of professionals in the fields of children care, through a structured Census of Paediatric clinical supplies.



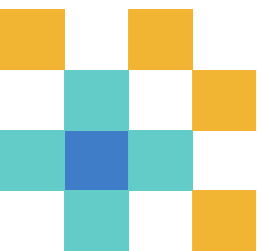
## Development Working Packages

**WP-3:** based on the data collected in the preparatory WPs and aimed at designing new curricula for the postgraduate training of medical professionals in Paediatrics, Paediatric Surgery and Child Neuropsychiatry, in an integrated way and with strong interaction among all partners.

**WP-4:** logical evolution of the previous one, aimed at training the academic staff involved in the actualization of the new integrated curricula.

**WP-5:** aimed at testing the practical feasibility of the new curriculum through a one-year trial of implementation in at least one CA HEI, possibly one for each partner Country and still better through a joint group of students in each CA Country.

**WP-6:** aimed at introducing ICT technologies for e-learning and interactive connection among partners.

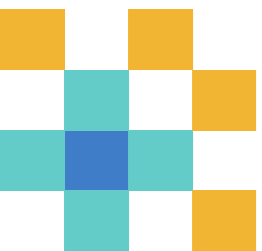


## Transversal Working packages

**WP-7, Quality Assurance:** aimed at guaranteeing that the project processes and results meet the established standards and goals.

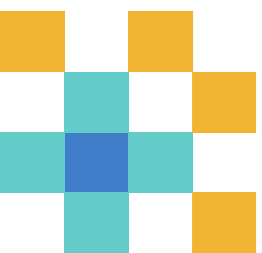
**WP-8, Dissemination and exploitation:** aimed at widely spreading and publishing the results of the project, as well as at exploiting its results also for other medical specialties in the CA curricula.

**WP-9, Management:** aimed at ensuring that the project remains on track and that it is effectively and correctly administrated.



# WP leaders

	programme countries			Kazakhstan			Uzbekistan		Tajikistan		
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11
	UNIPV	UULM	UNIJAG	KAZNMU	KAZNU	KAZMUCE	TPMI	BSMI	ATSMU	IPOVSZRT	KHSMU
WP1											
WP2											
WP3											
WP4											
WP5											
WP6											
WP7											
WP8											
WP9											



# Wp 1 - User needs analysis and situation assessment

1.1 Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation

Achieved

1.2 Dissemination of questionnaires and collection of relative answers

Achieved

1.3 Creation of a database containing all relevant information to compare the various curricula adopted in the partner Countries

Achieved

1.4 Survey on the teaching methods adopted in the partner Countries

Achieved

1.5 Elaboration of the 'Baseline document for a CA curricular proposal for the professionalization of children care management'

Achieved

1.6 Presentation of the baseline documents before the authorities of the main national and regional actors.

Work in progress

1.7 Assessing a sample of trainees by an external examination body

Achieved



Year 1

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
1.1	Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation												
1.2	Dissemination of questionnaires and collection of relative answers												
1.3	Creation of a database containing all relevant information to compare the various curricula adopted in the partner Countries												
1.4	Survey on the teaching methods adopted in the partner Countries												
1.5	Elaboration of the 'Baseline document for a CA curricular proposal for the professionalization of children care management'												
1.6	Presentation of the baseline documents before the authorities of the main national and regional actors.												
1.7	Assessing a sample of trainees by an external examination body												

Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
1.1	Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation												
1.2	Dissemination of questionnaires and collection of relative answers												
1.3	Creation of a database containing all relevant information to compare the various curricula adopted in the partner Countries												
1.4	Survey on the teaching methods adopted in the partner Countries												
1.5	Elaboration of the 'Baseline document for a CA curricular proposal for the professionalization of children care management'												
1.6	Presentation of the baseline documents before the authorities of the main national and regional actors.												
1.7	Assessing a sample of trainees by an external examination body												

## Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
1.1	Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation												
1.2	Dissemination of questionnaires and collection of relative answers												
1.3	Creation of a database containing all relevant information to compare the various curricula adopted in the partner Countries												
1.4	Survey on the teaching methods adopted in the partner Countries												
1.5	Elaboration of the 'Baseline document for a CA curricular proposal for the professionalization of children care management'												
1.6	Presentation of the baseline documents before the authorities of the main national and regional actors.												
1.7	Assessing a sample of trainees by an external examination body												



## Wp 2 - Census of Paediatric clinical supplies and needs

- ❑ 2.1 Elaborate the template for the census for Pediatrics, Pediatric Surgery and Child Neuropsychiatry

Achieved

- ❑ 2.2. Collect addresses of all Pediatric Centers in each CA country

Achieved

- ❑ 2.3 Disseminate the census scheme via the Internet to all Centers

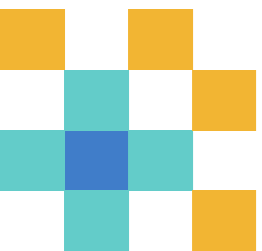
Achieved

- ❑ 2.4 Collect and analyze data from the Centers

Achieved

- ❑ 2.5 Prepare a summative document with all the data collected

Achieved



Year 1

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
2.1	Elaborate the template for the census for Pediatrics, Pediatric Surgery and Child Neuropsychiatry												
2.2	Collect addresses of all Pediatric Centers in each CA country												
2.3	Disseminate the census scheme via the Internet to all Centers												
2.4	Collect and analyze data from the Center												
2.5	Prepare a summative document with all the data collected												

Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
2.1	Elaborate the template for the census for Pediatrics, Pediatric Surgery and Child Neuropsychiatry												
2.2	Collect addresses of all Pediatric Centers in each CA country												
2.3	Disseminate the census scheme via the Internet to all Centers												
2.4	Collect and analyze data from the Center												
2.5	Prepare a summative document with all the data collected												



# WP 3 - Curricular design for the postgraduate training of medical professionals in Pediatrics, Pediatric Surgery and Child Neuropsychiatry (integrated curricula)

- 3.1 Studying and drafting of a curriculum for the postgraduate training in Pediatrics.

Work in progress

- 3.2 Studying and drafting of a curriculum for the postgraduate training in Pediatric Surgery.

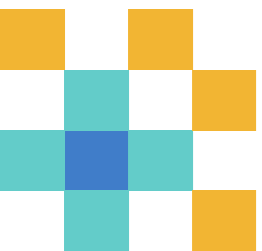
Work in progress

- 3.3 Studying and drafting of a curriculum for the postgraduate training in Child Neuropsychiatry.

Work in progress

- 3.4 Studying and drafting of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics for all postgraduate training in children's care.

Work in progress



Year 1

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
3.1	Studying and drafting of a curriculum for the postgraduate training in Pediatrics.												
3.2	Studying and drafting of a curriculum for the postgraduate training in Pediatric Surgery												
3.3	Studying and drafting of a curriculum for the postgraduate training in Child Neuropsychiatry.												
3.4	Studying and drafting of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics for all postgraduate training in children's care.												





Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
3.1	Studying and drafting of a curriculum for the postgraduate training in Pediatrics.												
3.2	Studying and drafting of a curriculum for the postgraduate training in Pediatric Surgery												
3.3	Studying and drafting of a curriculum for the postgraduate training in Child Neuropsychiatry.												
3.4	Studying and drafting of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics for all postgraduate training in children's care.												



Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
3.1	Studying and drafting of a curriculum for the postgraduate training in Pediatrics.												
3.2	Studying and drafting of a curriculum for the postgraduate training in Pediatric Surgery												
3.3	Studying and drafting of a curriculum for the postgraduate training in Child Neuropsychiatry.												
3.4	Studying and drafting of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics for all postgraduate training in children's care.												



# WP 4 - Training of academic staff involved in the new integrated curricula in pediatric care management and in new teaching techniques

4.1 Preparation of a modular training course for CA HEIs teachers

Achieved, Work in progress

4.2. Development of course materials.

Achieved, Work in progress, To be done

4.3 Implementation of virtual training course

Achieved, Work in progress

4.4 Implementation of practical training course

To be done

4.5 Evaluation of the training course (teachers).

To be done

4.6 Selection of young academics for stages in EU HEI

Achieved, Work in progress

4.7 Updating stages in EU HEI

To be done

Year 2

Activities	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
4.1 Preparation of a modular training course for CA HEIs teachers												
4.2 Development of course materials.												
4.3 Implementation of virtual training course												
4.4 Implementation of practical training course												
4.5 Evaluation of the training course (teachers).												
4.6 Selection of young academics for stages in EU HEI												
4.7 Updating stages in EU HEI												

### Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
4.1	Preparation of a modular training course for CA HEIs teachers												
4.2	Development of course materials.												
4.3	Implementation of virtual training course												
4.4	Implementation of practical training course												
4.5	Evaluation of the training course (teachers).												
4.6	Selection of young academics for stages in EU HEI												
4.7	Updating stages in EU HEI												



Year 4

Activities	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
4.1 Preparation of a modular training course for CA HEIs teachers												
4.2 Development of course materials.												
4.3 Implementation of virtual training course												
4.4 Implementation of practical training course												
4.5 Evaluation of the training course (teachers).												
4.6 Selection of young academics for stages in EU HEI												
4.7 Updating stages in EU HEI												

# WP 5 - Trial implementation of the new Pediatric Care integrated curricula

☐ 5.1 Management of the approval of the trial by legal authorities.

Work in progress

☐ 5.2. Selection and designation of the teachers.

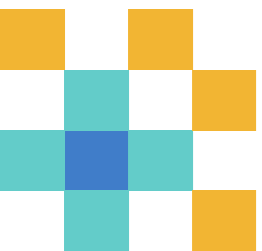
To be done

☐ 5.3 Pre-enrollment and admission procedures of the trainees

To be done: 5 students to enter in the project, no fixed numbers. These students must undergo the first implementation year. Students = residents.

☐ 5.4 Trial implementation of the first year of the new curricula.

To be done



## Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
5.1	Management of the approval of the trial by legal authorities.												
5.2	Selection and designation of the teachers.												
5.3	Pre-enrollment and admission procedures of the trainees												
5.4	Trial implementation of the first year of the new curricula.												





## Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
5.1	Management of the approval of the trial by legal authorities.												
5.2	Selection and designation of the teachers.												
5.3	Pre-enrollment and admission procedures of the trainees												
5.4	Trial implementation of the first year of the new curricula.												



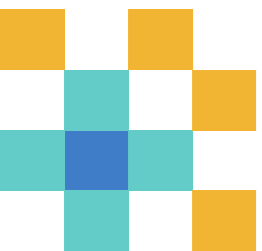
## Year 4

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
5.1	Management of the approval of the trial by legal authorities.												
5.2	Selection and designation of the teachers.												
5.3	Pre-enrollment and admission procedures of the trainees												
5.4	Trial implementation of the first year of the new curricula.												



## **WP 6 - Introduction of ICT technologies as a tool for interactive education, e-Learning, Continuing Education, Online Training and Virtual Mobility (month 4 to 24)**

- ❑ 6.1. To equip one ICT classroom in each CA HEI  
Achieved in Kazakhstan and Tajikistan; Work in progress in Uzbekistan
- ❑ 6.2. To train the technical staff in classroom management  
Achieved in Kazakhstan and Tajikistan; Work in progress in Uzbekistan
- ❑ 6.3. To train teachers in the use of the new ICT tools  
Achieved in Kazakhstan and Tajikistan; Work in progress in Uzbekistan
- ❑ 6.4 To prepare a guideline document for the effective utilisation of the provided technology  
Achieved in Kazakhstan and Tajikistan; Work in progress in Uzbekistan



## Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
6.1	To equip one ICT classroom in each CA HEI												
6.2	To train the technical staff in classroom management												
6.3	To train teachers in the use of the new ICT tools												
6.4	To prepare a guideline document for the effective utilisation of the provided technology												



### Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
6.1	To equip one ICT classroom in each CA HEI												
6.2	To train the technical staff in classroom management												
6.3	To train teachers in the use of the new ICT tools												
6.4	To prepare a guideline document for the effective utilisation of the provided technology												



# WP 7 - Quality assurance

## 7.1 Establishment of predetermined quality indicators and standards for:

- European standard of Postgraduate training in pediatric care
- Training for tutors teaching in postgraduate training curricula;
- Academic materials for distance learning;
- Trial implementation of the first year of postgraduate training;
- Processes of the project management.

Achieved

7.2 Designation of quality instruments, such as templates, questionnaires and protocols, with the aim of assessing the expected results and identifying strengths and weaknesses for specific activities (workshops, internships, training).

Achieved

7.3 Monitoring, assessment and control of the predetermined and defined indicators, standards and goals.

Achieved, work in progress

7.4 Elaboration of the project quality assurance report at month 12; 24; 36.

Achieved at month 12; to be done at month 24, 36. report che scriveremo alla fine di questo meeting

7.5 Evaluation of training process by an external institution.

Preliminary evaluation achieved ; Final evaluation to be done.

Year 1

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
7.1	Establishment of predetermined quality indicators												
7.2	Designation of quality instruments												
7.3	Monitoring, assessment and control of the predetermined and defined indicators, standards and goals.												
7.4	Elaboration of the project quality assurance report at month 12; 24; 36												
7.5	Evaluation of training process by an external institution												

Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
7.1	Establishment of predetermined quality indicators												
7.2	Designation of quality instruments												
7.3	Monitoring, assessment and control of the predetermined and defined indicators, standards and goals.												
7.4	Elaboration of the project quality assurance report at month 12; 24; 36												
7.5	Evaluation of training process by an external institution												





Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
7.1	Establishment of predetermined quality indicators												
7.2	Designation of quality instruments												
7.3	Monitoring, assessment and control of the predetermined and defined indicators, standards and goals.												
7.4	Elaboration of the project quality assurance report at month 12; 24; 36												
7.5	Evaluation of training process by an external institution												



Year 4

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
7.1	Establishment of predetermined quality indicators												
7.2	Designation of quality instruments												
7.3	Monitoring, assessment and control of the predetermined and defined indicators, standards and goals.												
7.4	Elaboration of the project quality assurance report at month 12; 24; 36												
7.5	Evaluation of training process by an external institution												



# WP 8 - Dissemination and exploitation

☐ 8.1 Identification of dissemination groups and elaboration of a dissemination plan.

Achieved

☐ 8.2 Creation of a project website as platform of collaboration and dissemination.

Achieved

☐ 8.3 Maintenance and administration of the website.

Achieved, continuously ensured

☐ 8.4 Elaboration of 3 virtual bulletins and distribution among the target groups.

Achieved: virtual bulletin n°1; Work in progress: virtual bulletin n°2; to be done: virtual bulletin n°3

☐ 8.5 Organization of meetings for the dissemination of the project among the HEIs of the country, the professional associations of each country, the Ministries of Health and Education, and representatives of regional and international agencies.

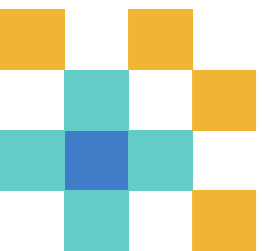
Achieved, work in progress.

☐ 8.6 Social media coverage to increase visibility: press interviews, press releases, elaboration and publication of different articles in printed media.

Achieved, continuously ensured

☐ 8.7 Final Conference: New paradigm in training professionals on healthcare management.

To be done



Year 1

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
8.1	Identification of dissemination groups and elaboration of a dissemination plan.												
8.2	Creation of a project website as platform of collaboration and dissemination.												
8.3	Maintenance and administration of the website												
8.4	Elaboration of 3 virtual bulletins and distribution among the target groups.												
8.5	Organization of meetings for the dissemination of the project												
8.6	Social media coverage to increase visibility												
8.7	Final Conference: New paradigm in training professionals on healthcare management.												

Year 2

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
8.1	Identification of dissemination groups and elaboration of a dissemination plan.												
8.2	Creation of a project website as platform of collaboration and dissemination.												
8.3	Maintenance and administration of the website												
8.4	Elaboration of 3 virtual bulletins and distribution among the target groups.												
8.5	Organization of meetings for the dissemination of the project												
8.6	Social media coverage to increase visibility												
8.7	Final Conference: New paradigm in training professionals on healthcare management.												



## Year 3

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
8.1	Identification of dissemination groups and elaboration of a dissemination plan.												
8.2	Creation of a project website as platform of collaboration and dissemination.												
8.3	Maintenance and administration of the website												
8.4	Elaboration of 3 virtual bulletins and distribution among the target groups.												
8.5	Organization of meetings for the dissemination of the project												
8.6	Social media coverage to increase visibility												
8.7	Final Conference: New paradigm in training professionals on healthcare management.												



Year 4

Activities		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
8.1	Identification of dissemination groups and elaboration of a dissemination plan.												
8.2	Creation of a project website as platform of collaboration and dissemination.												
8.3	Maintenance and administration of the website												
8.4	Elaboration of 3 virtual bulletins and distribution among the target groups.												
8.5	Organization of meetings for the dissemination of the project												
8.6	Social media coverage to increase visibility												
8.7	Final Conference: New paradigm in training professionals on healthcare management.												

# Wp 9 - Project properly and efficiently managed

☐9.1 Formalization of network and agreements among the participating HEIs

Achieved

☐9.2 Planning and development of meetings for the administration of the project.

Achieved

☐9.3 Designing and administration of the organizational and communicational structures (internal and external)

Achieved

☐9.4 Provision of templates for the associates to prepare the reports.

Achieved

☐9.5 Collection and storage of data for the monitoring of the project and the elaboration of reports and budgets

Achieved, continuously ensured

☐9.6 Periodic actualization of the plan and monitoring of the fulfillment of the working schedule

Achieved, continuously ensured

☐9.7 Monitoring, assessment and control of any deviation in the progress of the project

Achieved, continuously ensured

☐9.8 Elaboration of mid-term and final evaluation reports

Mid-Term report: Achieved; Final Report: to be done

☐9.9 Control of the use of resources and budgetary Execution

Achieved, continuously ensured

☐9.10 Monitoring of the compliance of the grant agreement

Achieved, continuously ensured











# News & Updates

## **Partnership modifications:**

Ulm-Freiburg

1 document pending

KAZMUCE-VSHOZ,

PIC Validated, documents almost completed

## **Financial management of the grant:**

Second pre-financing

