



ChatMED Quarterly

Strategic Scaling & Clinical Validation

📅 Edition 04 | Q4 (June – August 2025)

As ChatMED concluded its first year, the summer quarter was defined by strategic scaling. We moved beyond foundational development to focus on high-level European research bids, regional policy leadership, and the publication of real-world deployment results. This summer was marked by our intensive Summer School, the drafting of a national AI infrastructure proposal, and the release of critical findings from our Slovenian primary care pilot.

🎓 ChatMED Summer School: Targeting EIC Pathfinder

📅 June 2025 | Strategic Research Planning

Our inaugural Summer School served as an incubator for high-risk, high-gain research. The primary objective was to synthesize the year's findings into a competitive proposal for the EIC Pathfinder Challenge.

Collaborative Innovation:

Faculty and researchers collaborated on multi-disciplinary tracks to define the next frontier of medical AI.

The Outcome:

The session successfully produced the core technical and strategic material required for the EIC Pathfinder Call, focusing on groundbreaking medical AI applications.

📡 AI Antenna: Positioning North Macedonia as a Regional Hub

📅 July 2025 | Policy & Infrastructure Leadership

In a significant move for regional development, a senior member of the FCSE team spearheaded a proposal for the establishment of an AI Antenna in North Macedonia.

The Vision:

This initiative aims to bridge the gap between European AI excellence and local innovation, providing a dedicated point of contact for AI policy, ethics, and infrastructure.

Strategic Impact:

The proposal reinforces ChatMED's role as a pillar of the digital ecosystem in the Western Balkans.

🔬 Scientific Impact: The HomeDOctor Insight

📅 August 2025 | Peer-Reviewed Insights

We are proud to announce the publication of our latest research:

"Evaluating a Nationally Localized AI Chatbot for Personalized Primary Care Guidance: Insights from the HomeDOctor Deployment in Slovenia."

Key Findings:

The paper evaluates the efficacy of localized Large Language Models (LLMs) in providing primary care guidance within a specific national healthcare framework.

Practical Utility:

The study provides a blueprint for how AI can reduce the burden on primary care physicians through intelligent, patient-facing triage.

🔧 Training Session 2: AI for Neurological Applications

📅 July 2025 | Technical mastery and Domain-Driven Deep Dives

The second session centered on the development and customization of AI-driven solutions to address neurological challenges, promoting a user-focused design for clinicians and patients. The training covered four specialized tracks:



AI & Neurological Disorders:

Led by Prof. Katarina Trojancanec Dineva, focusing on the intersection of AI modeling and neurological clinical needs.



Medical Imaging & AI:

Led by Prof. Ivan Kitanoovski, covering advanced techniques for imaging analysis in clinical settings.



Domain-Driven Software Design:

Led by Prof. Riste Stojanov, this track utilized the principles of Domain-Driven Design (DDD) to tailor intelligent LLM agents.



Revolutionizing Multimodal Knowledge Retrieval:

Led by Asst. Jovana Dobreva, exploring innovative ways to retrieve and process heterogeneous medical data.

🔧 Q4 Progress at a Glance



Strategic Bidding: Completion of the EIC Pathfinder Challenge material.



Infrastructure Leadership: Submission of the AI Antenna proposal for North Macedonia.



Research Excellence: Publication of the HomeDOctor pilot results in Slovenia.



Full-Spectrum Training: Mastery of Domain-Driven Design, Neuro-Informatics, and Multimodal Retrieval.

A Message from the Project Coordinator



"If Q3 was about opening our doors, Q4 was about looking over the horizon. By finalizing our EIC Pathfinder materials and championing the AI Antenna initiative, we are ensuring that the momentum of ChatMED extends far beyond its initial scope. We are building the permanent infrastructure for medical AI in our region."

— Dr. Monika Simjanoska Misheva, Project Coordinator

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