



ChatMED Quarterly

Strategic Scaling & Clinical Validation

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📅 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 Kitanovski, 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.

Follow our progress:

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