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Geodesy in a Challenged Environment



The Attractiveness of Higher Education in the Age of Artificial Intelligence

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AI Is Here—But Demand for Education Isn't Declining



- **AI in Daily Workflows**

Students and lecturers are already integrating AI tools into everyday academic and professional practice.

- **Enrollment Remains Strong**

Geospatial higher education continues to attract committed students across the region.

- **The Real Challenge**

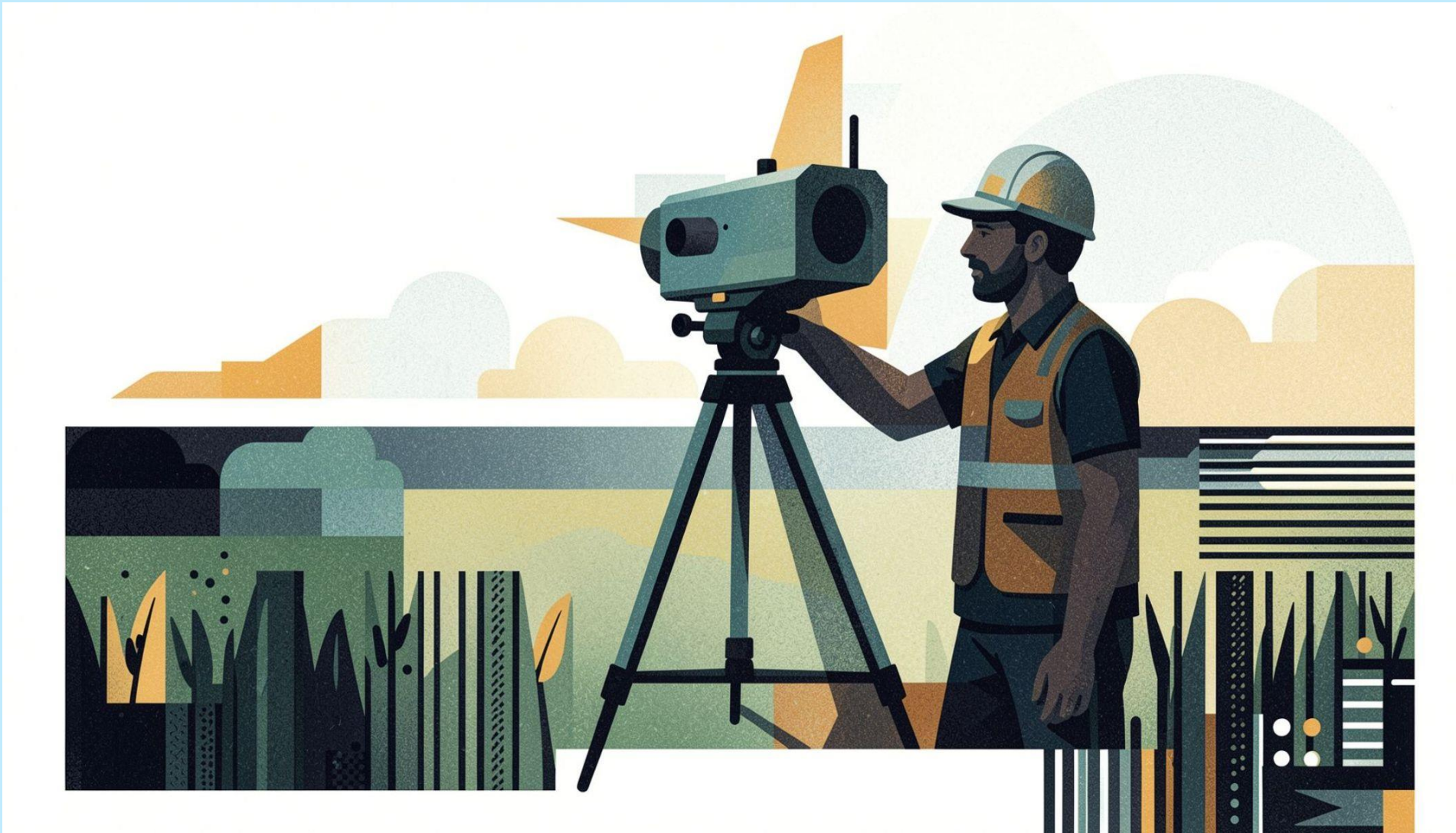
Keeping pace with rapid technological change—not reversing a decline that isn't happening.



The Pace Problem

The geospatial landscape evolves faster than most institutions can comfortably follow.

- New tools, software, and measuring equipment upgrade **constantly**
- Institutions must invest faster and smarter to stay relevant
- Market demand and capital flows reward modern, attractive programs





The Lecturer as Catalyst



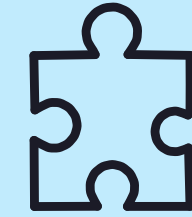
Professional Excellence

Highly skilled educators are **essential—not optional**. Quality teaching is the foundation of program attractiveness.



Long-Term Mobility

University-to-university mobility transfers deep expertise, fresh methodologies, and cross-institutional perspectives



Interdisciplinary Thinking

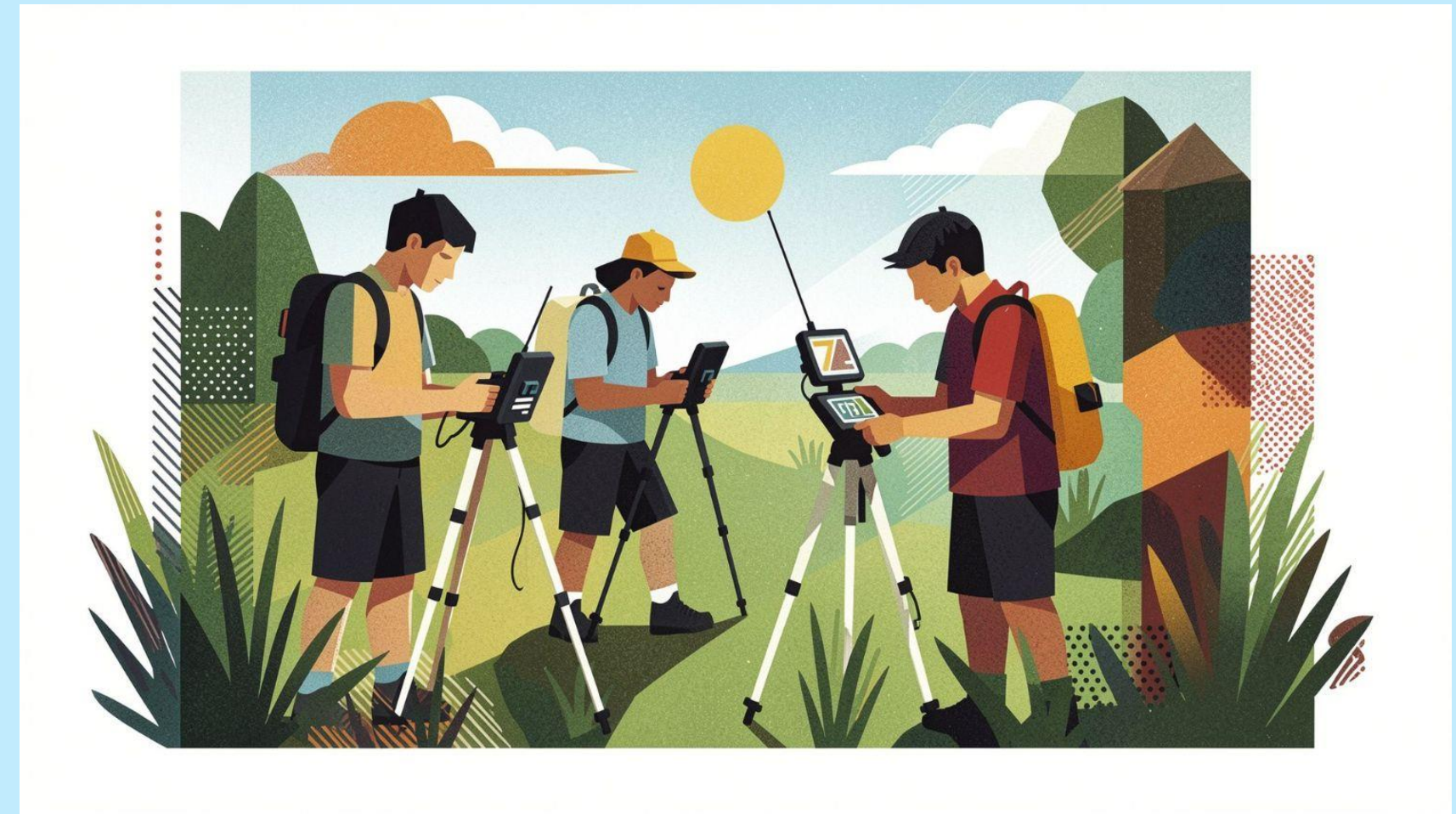
Broad, cross-disciplinary approaches engage students far more effectively than narrow specialization alone.



Learning by Doing: Real Cases, Real Impact

The most effective geospatial programs move beyond the lecture hall. Students learn deepest when they own the process.

- Analyze **practical examples** and real-world project scenarios
- Document solutions, achievements, and measurable outcomes
- Debate and discuss—students drive their own learning



Building a Strong Ecosystem



International Training

Summer schools, thematic specializations, and doctoral program involvement broaden horizons and deepen expertise.

Competitions & Joint Events

Collaborative competitions foster innovation, strengthen cross-border cooperation, and energize student communities.

Global Organizations

IUGG, IAG, FIG, CLGE, and NKG provide the institutional backbone driving progress across our field.



Latvia's Success Story

Two leading institutions demonstrate what a well-designed geospatial program can achieve.

Demand for graduates remains **strong across the entire Baltic region.**



LBTU, Jelgava

Grounding graduates in applied geospatial science and land management with strong regional ties.

RTU, Riga

Blending theory, practice, and real-world innovation to produce sought-after young professionals.



The Future Is Secure



Growing Demand

Geospatial expertise remains among the most sought-after technical competencies globally.



AI Amplifies

Artificial intelligence amplifies human geospatial skill—it does not replace the expert behind the tool.



Theory + Practice

Both dimensions are irreplaceable. Strong programs build graduates who can think *and* do.

- OUR SECTOR HAS **STRONG DEVELOPMENT PROSPECTS AHEAD**—THE CASE FOR INVESTING IN GEOSPATIAL EDUCATION HAS NEVER BEEN CLEARER.
- A RHETORICAL QUESTION: CAN HIGHLY ADVANCED ARTIFICIAL INTELLIGENCE **REPLACE A PROFESSOR** ?
BENEFITS AND RISKS.



What Attracts Students Today

1

Modern Curricula

Engaging programs that blend theory, practice, and cutting-edge tools—including AI

2

International Opportunities

Collaborative networks, mobility programs, and global professional communities

3

Clear Career Pathways

Meaningful, well-compensated roles in a field with strong and growing prospects





Thank you for your attention!

