

Topics and deadlines

Diploma project

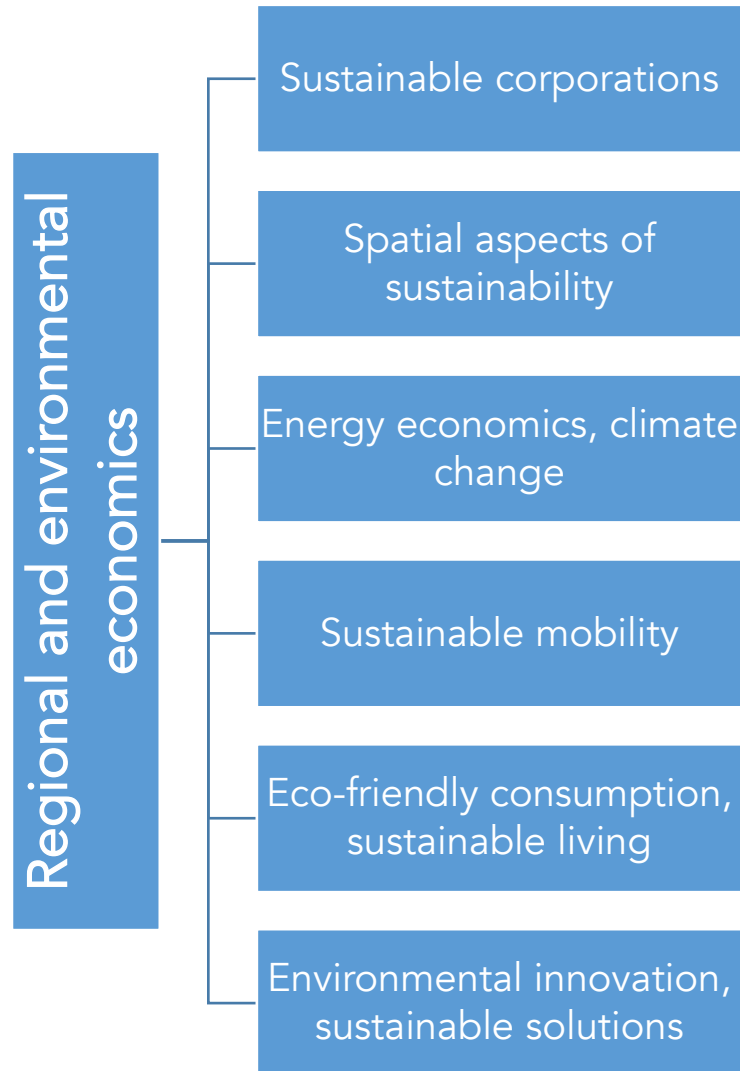
9/2/2022

BMEGT42M113

Requirements and Deadlines

- Min. 20 pages with a comprehensive literature review regarding the topic and methodology
- Preparing the ground for further analyses (conceptualization, data curation, etc.)
- Choose a topic and contact the supervisor ASAP
- Topic selection: by 10 September
- Subtopic selection: by 15 September
- Finalizing the registration form: by 26 September
- Finalizing and submitting your work: by 9 December
- Presentation of your works will be held on the week of repeats (12 December 2022 – 16 December 2022), to be confirmed later
- Continuous communication with your supervisor! - at least 3 consultations are needed - administration in Moodle!
- Questions: kornygazd@gtk.bme.hu

Topic/subtopics



Potential titles and supervisors - Department of Environmental Economics

Mária Szalmáné Csete PhD



- The role of climate innovations in spatial and sectoral adaptation processes
- Challenge-based planning
- Digitalization and sustainability (regional and sectoral digitalization potential, smart communities)
- Nature-based solutions and sustainable urban development
- Effectiveness of climate smart solutions
- Life Cycle Sustainability Assessment of road transport technologies
- <http://kornygazd.bme.hu/en/munkatarsak/szalmane-dr-csete-maria>

Noémi Csigéné Nagypál PhD



- Monetary valuation of the environment, ecosystem services. Application of environmental valuation methods (cost-based methods, contingent valuation, travel cost method, etc.).
- Corporate social responsibility (CSR) and its sectoral/regional specialties.
- <http://kornygazd.bme.hu/en/munkatarsak/csigene-dr-nagypal-noemi>

György Horváth PhD



- Local initiatives for sustainable development
 - Grassroots initiatives, collective action
 - Businesses for sustainability
 - Municipal institutions and initiatives
- The economics of sustainable development initiatives
- Spatial issues in sustainable development
- Governments and governance: integration of sustainable development policies into politics
- Resource economics: transitioning to sustainable resource consumption models
- <http://kornygazd.bme.hu/en/munkatarsak/horvath-gyorgy-adam>

Gyula Zilahy PhD



- The use of environmental management tools in corporate practice
- New business models promoting sustainable development:
 - Product-service systems
 - The sustainability aspects of the sharing economy
 - Social entrepreneurship
- The corporate aspects of climate change action
- New roles of supply chains: sustainable value chains
- The cooperation of different social groups for sustainable development
 - Collaboration between corporations and the civil society
 - New ways of cooperation for sustainability
- <http://kornygazd.bme.hu/en/munkatarsak/dr-zilahy-gyula>

Mariann Szabó PhD



- Regional Development (lagging/ fostering regions)
- Local Economic Development
- Territorial planning, governance and strategies
- Brownfield redevelopment
- Territorial aspects of sustainability (for e.g. food waste, brownfield redevelopment)
- <http://kornygazd.bme.hu/en/munkatarsak/szabo-mariann>

Attila Buzási PhD



- Sectoral climate adaptation assessment: challenges and opportunities
- Urban sustainability: evaluation, comparability, indicators
- Urban sustainability and adaptation: lock-in analysis, strategy assessment, evaluation methods, synergies
- Climate vulnerability assessment methods
- <http://kornygazd.bme.hu/en/munkatarsak/dr-buzasi-attila>

Tibor Princz-Jakovics PhD



- Sustainable urban mobility plans
- Local sustainability programs and transport
- Environmental impacts of urban transport
- The role of transport in creating livable urban spaces / environments,
- Measures to improve the sustainability of rural transport
- Sustainability of long-distance passenger or freight transport
 - Development of the methodology of cost-benefit analysis for transport infrastructure investments
 - Methods for quantifying transport-related externalities
- <http://kornygazd.bme.hu/en/munkatarsak/dr-princz-jakovics-tibor>

Flóra Ijjas PhD



- Environmental justice
- Gender equality and sustainability
- Consumer culture through the lenses of ecopsychology and socio psychology
- <http://kornygazd.bme.hu/en/munkatarsak/dr-ijjas-flora>

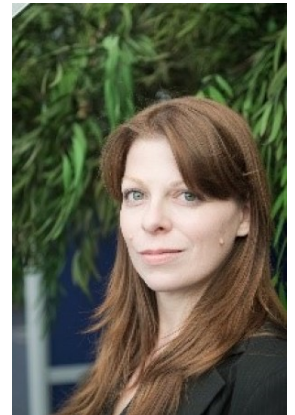
Anil Poyraz

- Climate change adaptation and sustainability transition policy/strategy/plan discussion and evaluation (regarding mainstreaming, organizing etc., mainly on the city level)
- Nature-based solutions regarding water-related challenges in cities (insight about applications and ongoing discussions)
- <http://kornygazd.bme.hu/en/munkatarsak/anil-poyraz>



Orsolya Barna

- Sustainable Competences in the Labour Market
- <http://kornygazd.bme.hu/en/munkatarsak/barna-orsolya>



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