

## EVNS 472: Environmental informatics and modeling

Video lectures prepared by PU as part of URGENT project

Topics of Video Lectures	Google drive link
Data sources and quality standards	<a href="https://drive.google.com/file/d/1AZs9PS9go-MFcsr3O8g_t8avSPNiGdJ/view?usp=sharing">https://drive.google.com/file/d/1AZs9PS9go-MFcsr3O8g_t8avSPNiGdJ/view?usp=sharing</a>
Database management system	<a href="https://drive.google.com/file/d/1gWLZ8rUk7-58AwCUloONYD_pMz6-ONj2/view?usp=sharing">https://drive.google.com/file/d/1gWLZ8rUk7-58AwCUloONYD_pMz6-ONj2/view?usp=sharing</a>
Database query and retrieval	<a href="https://drive.google.com/file/d/1aX7aroH2-GkFnoT_g8SQaifqBZfKP8dtB/view?usp=sharing">https://drive.google.com/file/d/1aX7aroH2-GkFnoT_g8SQaifqBZfKP8dtB/view?usp=sharing</a>
Environmental data	<a href="https://drive.google.com/file/d/1bw_5nKqgzItY-0sW1BHhIVJoc1Y_rapNQ/view?usp=sharing">https://drive.google.com/file/d/1bw_5nKqgzItY-0sW1BHhIVJoc1Y_rapNQ/view?usp=sharing</a>
Hardware and software requirements	<a href="https://drive.google.com/file/d/1m6kt0hMMZSCi-nO4CxLejP0VxpOsHd9vb/view?usp=sharing">https://drive.google.com/file/d/1m6kt0hMMZSCi-nO4CxLejP0VxpOsHd9vb/view?usp=sharing</a>
How to create a database	<a href="https://drive.google.com/file/d/15vK6ka32a36CjPhbojh-N6xPPmf7GNqC/view?usp=sharing">https://drive.google.com/file/d/15vK6ka32a36CjPhbojh-N6xPPmf7GNqC/view?usp=sharing</a>
Information extraction from thematic data	<a href="https://drive.google.com/file/d/1kqXAIWrrH-HvMGMi8UvfiRsAtJ9Ndj1XM/view?usp=sharing">https://drive.google.com/file/d/1kqXAIWrrH-HvMGMi8UvfiRsAtJ9Ndj1XM/view?usp=sharing</a>
Information extraction from climatic data	<a href="https://drive.google.com/file/d/1uAuAzhewO-h8Jzyxu2JqwVn0XklEXIGQr/view?usp=sharing">https://drive.google.com/file/d/1uAuAzhewO-h8Jzyxu2JqwVn0XklEXIGQr/view?usp=sharing</a>
Introduction to environmental informatics	<a href="https://drive.google.com/file/d/1k11ZAABUeRG-wskYz7NmGKGpveeLipKU/view?usp=sharing">https://drive.google.com/file/d/1k11ZAABUeRG-wskYz7NmGKGpveeLipKU/view?usp=sharing</a>
Payload details of satellite sensors	<a href="https://drive.google.com/file/d/1z_P7lfxOydwAXDZ-qtE5IMJ2_xeRthS9A/view?usp=sharing">https://drive.google.com/file/d/1z_P7lfxOydwAXDZ-qtE5IMJ2_xeRthS9A/view?usp=sharing</a>
Positioning system	<a href="https://drive.google.com/file/d/1gDEpGEXF8q3Q-nYICFpdgeTk68T900xYd/view?usp=sharing">https://drive.google.com/file/d/1gDEpGEXF8q3Q-nYICFpdgeTk68T900xYd/view?usp=sharing</a>
Resource information extraction	<a href="https://drive.google.com/file/d/1ghi_iwwwIFY_ED-6ZNEOStwpdAaK649hl/view?usp=sharing">https://drive.google.com/file/d/1ghi_iwwwIFY_ED-6ZNEOStwpdAaK649hl/view?usp=sharing</a>
Significance of datatypes	<a href="https://drive.google.com/file/d/15Ho4R-Cfe0_jsdo1a7gzE0IBY2hitXV2/view?usp=sharing">https://drive.google.com/file/d/15Ho4R-Cfe0_jsdo1a7gzE0IBY2hitXV2/view?usp=sharing</a>
Spatial database creation	<a href="https://drive.google.com/file/d/1ATepGkXTvdA3vM-Cq6iVVy_1Zqt3UVr/view?usp=sharing">https://drive.google.com/file/d/1ATepGkXTvdA3vM-Cq6iVVy_1Zqt3UVr/view?usp=sharing</a>
Spatial modelling – data integration	<a href="https://drive.google.com/file/d/1xXwg2c61aUvtgo-tfuK7IjxZ8B6VXNZ0T/view?usp=sharing">https://drive.google.com/file/d/1xXwg2c61aUvtgo-tfuK7IjxZ8B6VXNZ0T/view?usp=sharing</a>
Spatial modelling – overlay analysis	<a href="https://drive.google.com/file/d/14WLimcB1faf2-Cxy15UafWgSagbTlgJN0/view?usp=sharing">https://drive.google.com/file/d/14WLimcB1faf2-Cxy15UafWgSagbTlgJN0/view?usp=sharing</a>
Spatial modelling – Site suitability analysis	<a href="https://drive.google.com/file/d/1DXMF7PjDjMS-5W1c_v2URbZVsxNaVV55c/view?usp=sharing">https://drive.google.com/file/d/1DXMF7PjDjMS-5W1c_v2URbZVsxNaVV55c/view?usp=sharing</a>
Spatial modelling – Site vulnerability analysis	<a href="https://drive.google.com/file/d/1SNpSJQPzUGexPTSX9lgCneGTws-SRFe3/view?usp=sharing">https://drive.google.com/file/d/1SNpSJQPzUGexPTSX9lgCneGTws-SRFe3/view?usp=sharing</a>
Spatial modelling – Thematic layers and weightages	<a href="https://drive.google.com/file/d/1hFwBvr-fWPmCGk0dZVevhtOOCOMktRal/view?usp=sharing">https://drive.google.com/file/d/1hFwBvr-fWPmCGk0dZVevhtOOCOMktRal/view?usp=sharing</a>



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