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UNIVERSITY OF LISBON
INTERDISCIPLINARY STUDIES
ON SUSTAINABLE ENVIRONMENT AND SEAS



Co-funded by the
Erasmus+ Programme
of the European Union



Unmanned Aerial Vehicles for Environmental Monitoring

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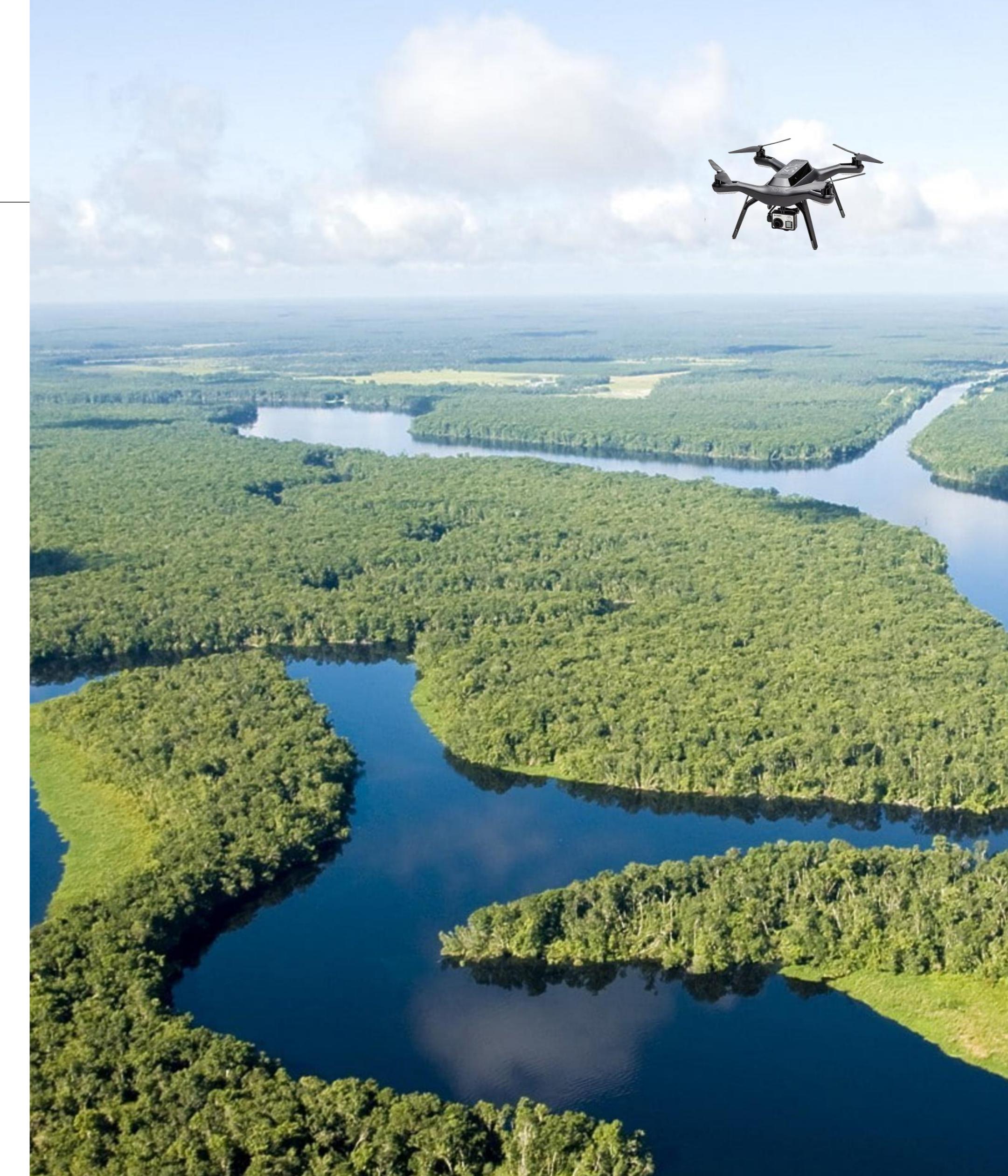
Module contents

1. Introduction to Unmanned Aerial Systems
2. UAVs payload: sensors for environmental monitoring
3. UAVs operation
4. Examples of application of UAVs for environmental monitoring



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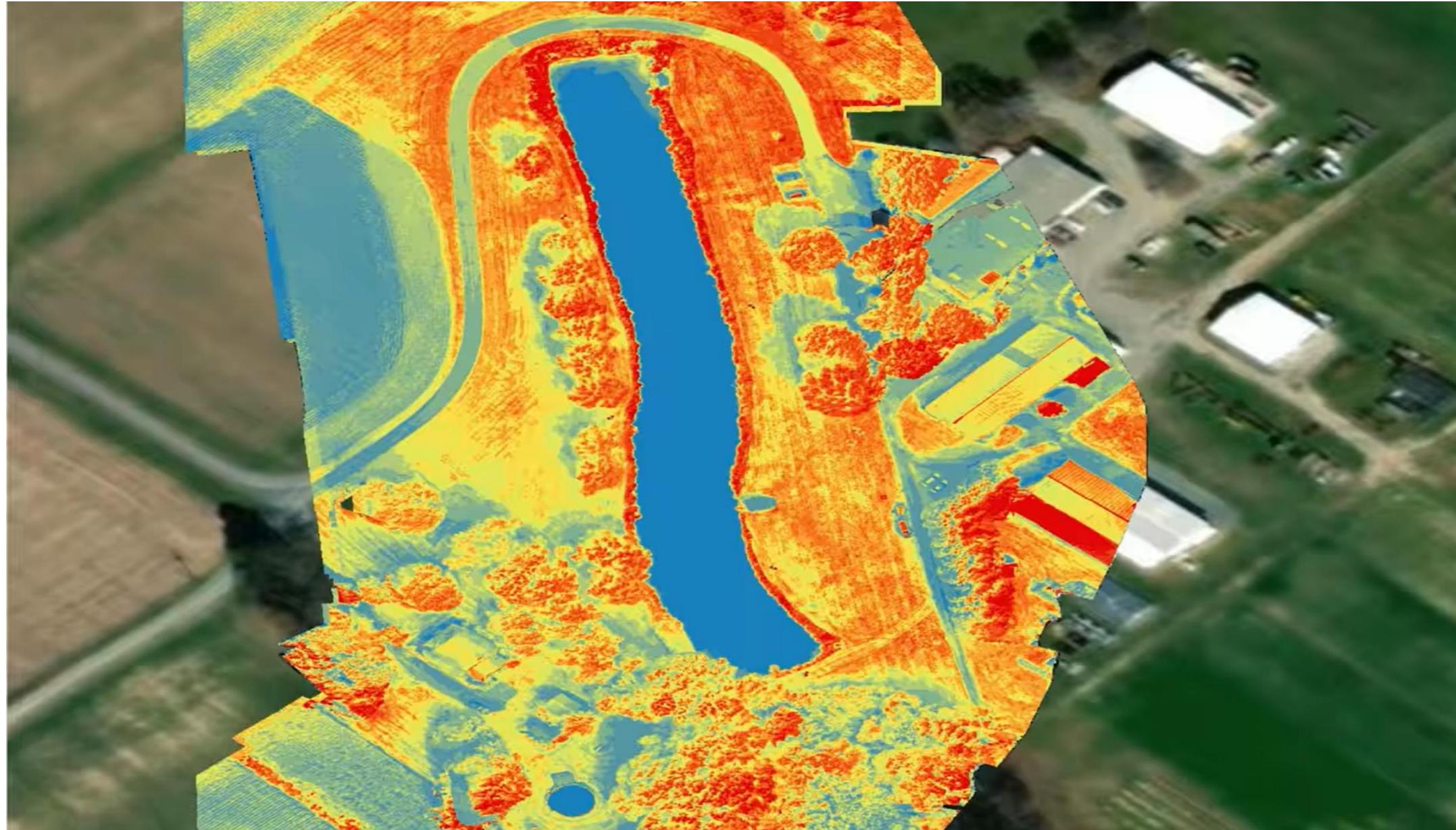
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Video “UAV for precision viticulture”

Credits to SpinWorks 2006 YouTube channel



Video “Monitoring Water Quality Using Drones”

Credits to U.S. Department of Agriculture (USDA) YouTube channel



Video “Monitoring Wildlife Using Drones”

Credits to U.S. Department of Agriculture (USDA) YouTube channel



Video “Mapping Zanzibar with low-cost drone”

Credits to World Bank YouTube channel

The background of the image is an underwater scene. A large green sea turtle is swimming in the foreground, looking towards the left. In the water above it, there is a significant amount of plastic waste, including a large plastic bag and several plastic bottles of various colors (blue, green, yellow). The water is a deep blue, and the surface is visible in the background where it meets a sky filled with white clouds.

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