360 DRONES

DRONES 360

FOSTERING INNOVATION AND BETTER SKILLS MATCH WITH THE GREEN AND DIGITAL SECTORS THROUGH THE INTEGRATION OF EMERGING TECHNOLOGIES (DRONES, VR, AR) IN VET

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-European Digital Learning Network ETS (DLEARN)

-DIMITRA Education & Consulting

-Drone Express

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Suggested Selection Criteria for Green Job Drone Applications:

1. Environmental Impact

- Why: The goal is to highlight sustainability, so choose applications where drones directly support environmental conservation or reduce carbon footprint.
- Example Factors:
  - Reduction in emissions (e.g., drones replacing helicopters for surveying).
  - Promotion of biodiversity or reforestation.

2. Innovativeness & Technological Integration

- Why: To engage users in a VR/AR environment, the application should showcase advanced or creative uses of drone tech.
- Example Factors:
  - Use of AI, thermal imaging, or mapping software.
  - Integration with other green tech (e.g., solar-powered drones).

3. Relevance to Green Jobs/Workforce Development

- Why: Simulations should reflect real or emerging green job roles to help inform and inspire learners.
- Example Factors:
  - Transferable skills gained (GIS, remote sensing, data analysis).
  - Potential career pathways in renewable energy, conservation, etc.

4. Educational Value & Visual Interactivity

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- Why: VR/AR thrives on visual storytelling and interactive elements. Choose applications that are dynamic and easy to simulate.
- Example Factors:
  - Clear before/after results (e.g., reforestation growth over time).
  - Opportunities for user interaction (e.g., piloting a drone, collecting data).

5. Scalability and Real-World Use Cases

- Why: Pick applications already in use or with potential to scale globally.
- Example Factors:
  - Adoption in multiple countries or by NGOs/governments.
  - Addressing global issues like climate change, deforestation, or sustainable agriculture.

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