

## Building a Green Future

### Virtual Learning visit on Green Technologies and Vocational Excellence

#### Innovation. Inspiration. Action.

The construction and building sector stand at the crossroads of one of the greatest challenges of our time—**climate change**.

As the world transitions toward sustainable solutions, **skills, knowledge, innovation** and **collaboration** are the foundation of a greener future.

Join us for a **virtual learning visit**—organized by the **European Training Foundation’s Network for Excellence and its green sub-initiative – GRETA – Greening Responses to Excellence** through Thematic Actions, in collaboration with the **International Centre for Technical and Vocational Education and Training (UNESCO-UNEVOC)** and the **Federal Institute for Vocational Education and Training (BIBB)**.

Together we explore **cutting-edge green technologies, innovative learning environments, and exchange on strategies to close the skills gap** in the building and construction sector.

#### Why This Matters?

- Buildings account for nearly 40% of global energy-related CO<sub>2</sub> emissions—**rethinking** how we train, build, and innovate **is essential**.
- Skills are the key—**but the skills gap** in green construction **remains a major challenge**.
- Collaboration is the way forward—**VET institutions, policymakers, researchers and industry must work together to drive change**.

#### Together, we will explore:

- How **institutions can cooperate** to build a **more sustainable and skilled workforce**.
- How **skills ecosystems** must evolve to meet the green transition.
- How **vocational excellence** can lead the way in sustainable construction.

This is more than just a **learning visit**—it’s a **call to action**. Let’s build a **greener, more sustainable, and skilled future**—together!

#### Key Takeaways

- Understanding the global impact of the construction industry on climate change.
- Learning about technological advancements driving sustainable building practices.
- Exploring opportunities to adapt and innovate training to support the green transition in the sector.
- Recognizing the importance of global collaboration in addressing the green skills gap.

<b>Time</b>	<b>Programme</b>
<b>12.00 – 12.15</b>	<b>Welcome &amp; Setting the Scene</b> <ul style="list-style-type: none"> <li>• Susanne M. Nielsen, Lead Expert, ETF</li> <li>• Kenny Muscat, BILT project manager, UNESCO-UNEVOC</li> <li>• Katharina Engel, Project manager 'Excellence in VET', BIBB</li> </ul>
<b>12.15 – 13.00</b>	<b>Virtual Visit 1: Danish Technological Institute (DTI)</b> <p><b>Introduction by DTI – Overview of sustainable construction initiatives.</b></p> <p><b>A Visit to the Future – Exploring:</b></p> <ul style="list-style-type: none"> <li>• <b>Next-generation sustainable building materials.</b></li> <li>• <b>Cutting-edge construction technologies</b> that reduce emissions and improve efficiency.</li> <li>• <b>Advanced laboratory facilities</b> where future-proof solutions for the green transition are developed.</li> </ul> <p><b>Q&amp;A session</b> with experts on <b>innovation in green construction.</b></p>
<b>13.00 – 13.15</b>	<b>Comfort break</b>
<b>13.15 – 14.00</b>	<b>Virtual Visit 2: Chamber of Skilled Crafts - Ostwestfalen-Lippe zu Bielefeld (HWK OWL) Germany</b> <p><b>Introduction by Dr. Maribel Illig</b>, Managing Director &amp; Head of Vocational Training Centre, HWK OWL &amp; UNEVOC Centre Coordinator.</p> <p><b>Video Presentation – Showcasing HWK OWL's green VET programmes.</b></p> <p><b>Live Interaction with teachers and students – Insights into:</b></p> <ul style="list-style-type: none"> <li>• <b>How VET in Germany is preparing the workforce for a green economy.</b></li> <li>• <b>The role of vocational excellence and UNEVOC Centres in driving sustainability in vocational training.</b></li> </ul> <p><b>Q&amp;A session</b> with Dr Maribel Illig on <b>innovation in greener &amp; smarter buildings.</b></p>
<b>14.00 – 14.30</b>	<b>Exchange, reflections and recommendations for vocational excellence – moving forward</b> <p><b>Building Skills Ecosystems for a Greener Tomorrow</b></p> <ul style="list-style-type: none"> <li>• <b>How can VET systems evolve to support the green transition?</b></li> <li>• <b>What policies and reforms are needed to bridge the green skills gap?</b></li> <li>• <b>How can vocational excellence drive innovation?</b></li> </ul> <p><b>Perspectives and insights:</b></p> <ul style="list-style-type: none"> <li>• <b>Policy:</b> Galina Rusu State Secretary, Ministry of Education, Moldova</li> <li>• <b>Innovation:</b> Karsten Frolich, Director of Research Unit, Danish Technological Institute</li> <li>• <b>Employers:</b> (tbc)</li> </ul>
<b>14.25 – 14.30</b>	<b>Wrap up of session</b> <p><b>Susanne M. Nielsen, ETF</b></p>