

# MethodsCon: Futures

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Presented by the  
National Centre for  
Research Methods

## Skills Development Workshop Thursday 12 September, 2024

### [Reframing the use of future in the educational contexts with Challenge Based Learning approach](#)

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#### REFERENCES

Below are some web resources (links, books and videos) that can help you plan a CBL activity using the Future Literacy approach and some examples of applications of the CBL approach in technology oriented issues ([biotechnologies](#)) [and cultural and social issues](#) carried on at Trento University as member of the European Consortium of Innovative Universities (ECIU).

#### *Future Literacy and Social Foresight*

- UNESCO Futures Literacy: <https://www.unesco.org/en/futures-literacy>
- OECD, Strategic Foresight: <https://www.oecd.org/en/about/programmes/strategic-foresight.html>
- Futures4Europe: <https://www.futures4europe.eu/>
- WHO Foresight:  
<https://www.who.int/activities/who-foresight---monitoring-emerging-technologies-and-building-futures-thinking>
- European Commission, Foresight, Research and Innovation:  
[https://research-and-innovation.ec.europa.eu/strategy/support-policy-making/shaping-eu-research-and-innovation-policy/foresight\\_en](https://research-and-innovation.ec.europa.eu/strategy/support-policy-making/shaping-eu-research-and-innovation-policy/foresight_en)
- IFTF Foresight Talks, A Webinar Series:  
[https://www.youtube.com/watch?si=Oc3oZ\\_cCJ11xgKOv&v=RT\\_o8zAW8XY&feature=youtu.be](https://www.youtube.com/watch?si=Oc3oZ_cCJ11xgKOv&v=RT_o8zAW8XY&feature=youtu.be)

#### *Challenge Based Learning (CBL)*

- Institute for the Future of Education, Tecnológico de Monterrey:  
<https://observatory.tec.mx/edu-bits-2/challenge-based-learning-social-leadership/>
- Challenge Based Learning: <https://www.challengebasedlearning.org/about/>
- Challenge Based Learning. A comprehensive Survey of the Literature, The Challenge Institute, 2023.  
[https://www.challengeinstitute.org/CBL\\_Literature\\_Survey.pdf](https://www.challengeinstitute.org/CBL_Literature_Survey.pdf)

- Johan Malmqvist, Kamilla Kohn Rådberg, Ulrika Lundqvist, *Comparative Analysis of Challenge Based Learning Experiences*, Chalmers University of Technology, Sweden.

[https://publications.lib.chalmers.se/records/fulltext/218615/local\\_218615.pdf](https://publications.lib.chalmers.se/records/fulltext/218615/local_218615.pdf)

- Challenge Based Learning. A classroom guide. Apple, 2010

[https://www.apple.com/br/education/docs/CBL\\_Classroom\\_Guide\\_Jan\\_2011.pdf](https://www.apple.com/br/education/docs/CBL_Classroom_Guide_Jan_2011.pdf)

### *Web Resources and Books for Educational Projects in Future Literacy*

- UNESCO Transforming the Future: <https://unesdoc.unesco.org/ark:/48223/pf0000264644>

- UNESCO Futures Literacy Playbook: <https://unesdoc.unesco.org/ark:/48223/pf0000385485>

- UNDP Foresight Manual:

[https://www.undp.org/sites/g/files/zskgke326/files/publications/UNDP\\_ForesightManual\\_2018.pdf](https://www.undp.org/sites/g/files/zskgke326/files/publications/UNDP_ForesightManual_2018.pdf)

- UN Futures Lab: UN Strategic Foresight Guide:

<https://un-futureslab.org/media/uploads/2024/03/UN-Futures-Lab-2023-UN-Strategic-Foresight-Guide.pdf>

- UN Global Pulse Strategic Foresight Project: <https://foresight.unglobalpulse.net/>

- UN Global Pulse: Futures Tools for Intergenerational Equity:

<https://foresight.unglobalpulse.net/intergenerational-equity/>

### *University of Trento and ECIU projects in Future Literacy*

Examples of CBL activities (in general) ECIU Universities:

<https://engage.eciu.eu/browse?learningOppTypes=623140000>

Future Literacy at Trento University

<https://www.unitn.it/en/ateneo/88404/second-level-masters-course-in-social-foresight>

Examples of CBL in STEM and with industry research collaborations

<https://event.unitn.it/ipsp2024/en/>

<https://www.trentinoinnovation.eu/en/innovation-challenges-and-contests-supporting-higher-education-and-research-industry-open-innovation/>

<https://www.soi.unitn.it/courses/back-to-the-future/>

Examples of CBL activities in Social and Political Sciences

<https://www.soi.unitn.it/courses/hitchhikers-guides/>

<https://www.soi.unitn.it/courses/engaging-with-the-future/>