



UNECE Masterclass

"Understanding and Leveraging the UNECE PPPs for the SDGs approach through Standards, Tools and Guides for Sustainable Infrastructures"

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Speaker



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Agenda



Introduction. The United Nations Sustainable Development Goals (SDGs)

Part 1. The UNECE and its PPP programme in support of the SDGs

- The UNECE PPPs for the SDGs approach
- Flagship practical UNECE tools

Part 2. The UNECE PIERS sustainability methodology

- UNECE PPP and Infrastructure Evaluation and Rating System (PIERS): An Evaluation Methodology for the SDGs
- Demo
- Case studies

Part 3. Sharing experience: using PIERS to assess actual projects

Part 2. The UNECE PIERS sustainability methodology





UNECE PPPs for the SDGs

Outcomes



5 desirable outcomes that derive from the SDGs as it concerns infrastructure



- Increase access to essential services and reduce social inequality and injustice
- Improve economic effectiveness and fiscal sustainability
- Enhance resilience and environmental sustainability
- Promote replicability and the development of further projects
- Fully involve all stakeholders in the projects

PIERS

Measuring infrastructure projects against the SDGs



What?

- Methodology to score infrastructure projects against the SDGs & the 5 PPPs for the SDGs outcomes
- Self-Assessment Tool (available online and in Excel)

How?

- Developed by 100+ experts
- Officially launched in 2022
- Used in over 220 projects from more than 55 countries

Features

- 22 criteria and 95 indicators
- Weighting and scoring system
- Flexible and adaptable to all countries, PPP and infrastructure projects irrespective of size and sector

200+
projects
evaluated

from

35+

countries









Adopted by

2

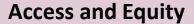
MDBs

PIERS

22 criteria to assess projects







- 1. Provide essential services.
- 2. Advance affordability and universal access.
- 3. Improve equity and social justice.
- 4. Plan for long-term access and equity.
- 5. Avoid/minimise and mitigate physical and economic displacement



Economic effectiveness and fiscal sustainability

- Avoid corruption and encourage transparent procurement.
- 7. Maximise economic viability and fiscal sustainability.
- 8. Maximise long-term financial viability.
- 9. Enhance employment and economic opportunities.



Resilience and environmental sustainability

- 10. Reduce greenhouse gas emissions and improve energy efficiency.
- 11.Reduce waste and restore degraded land.
- 12. Water consumption and wastewater discharge.
- 13. Protect biodiversity.
- 14. Assess risk and prepare for disaster management.



Replicability

- 15. Encourage replicability and scalability.
- 16. Standardise PPP preparation and tender
- 17. Enhance government, industry and community capacity.
- 18. Support innovation and technology transfer.



Stakeholder engagement

- 19. Plan for stakeholder engagement and public participation.
- 20. Maximise stakeholder engagement and public participation.
- 21. Provide transparent and quality project information.
- 22. Manage public grievances and end user feedback.

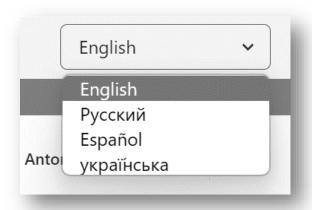
PIERS online

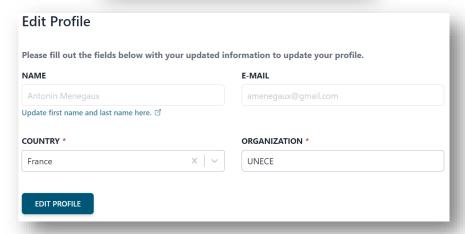
Basic features

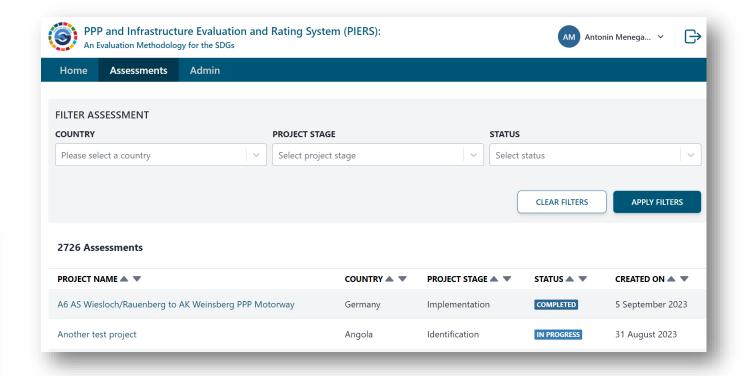
https://piers.unece.org/ (→)



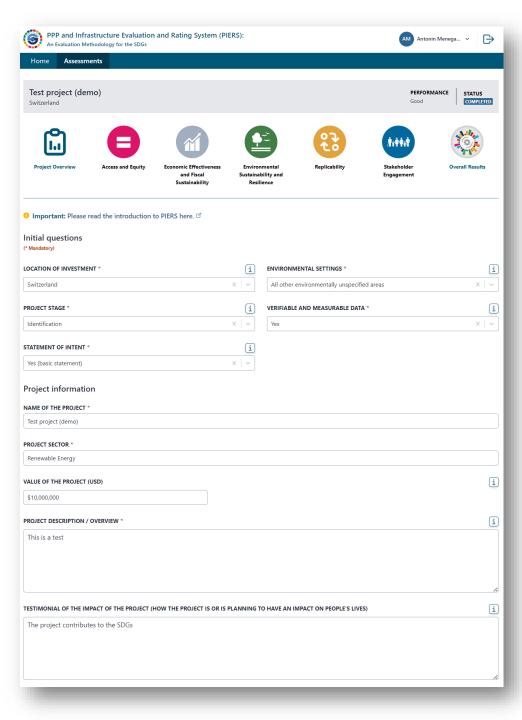




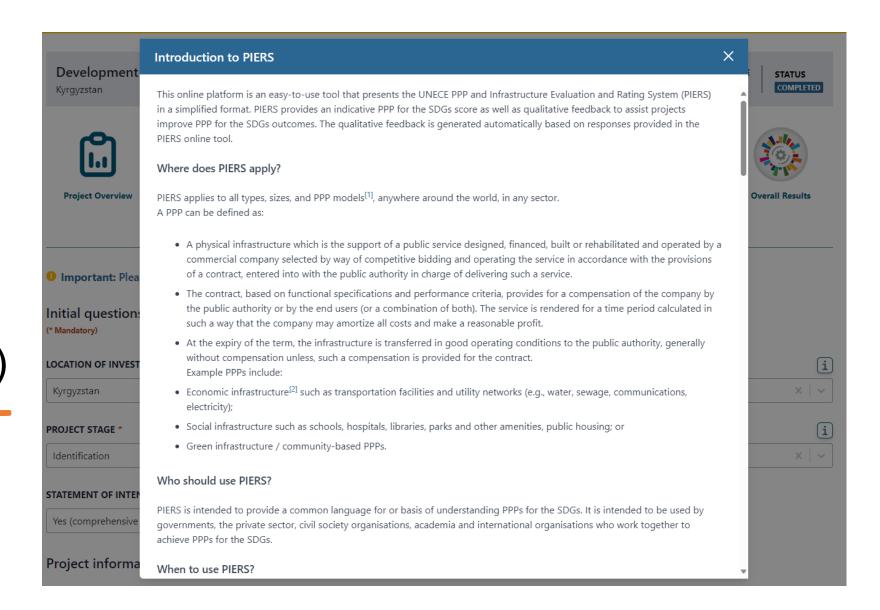




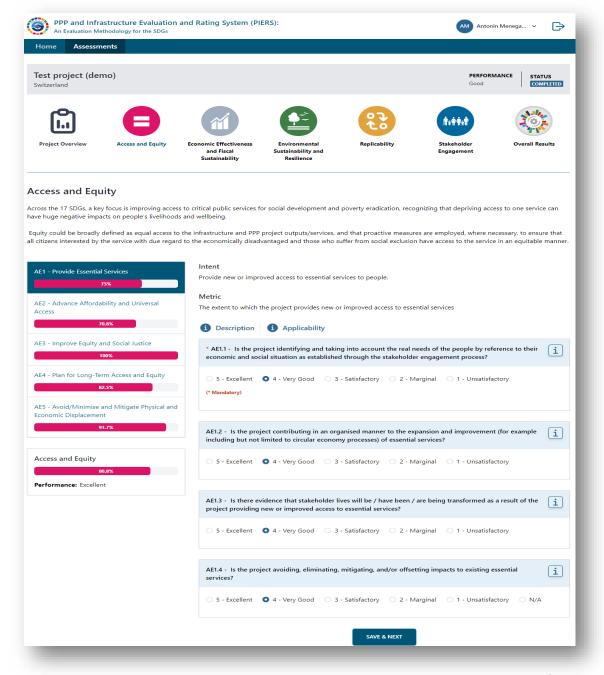
PIERS online Initial questions



PIERS onlineGuidance (initial)



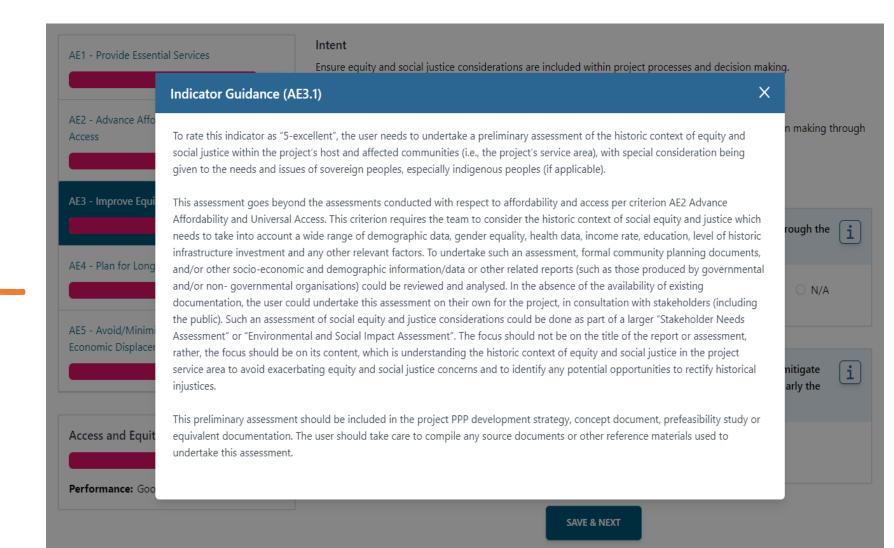
PIERS online Indicators



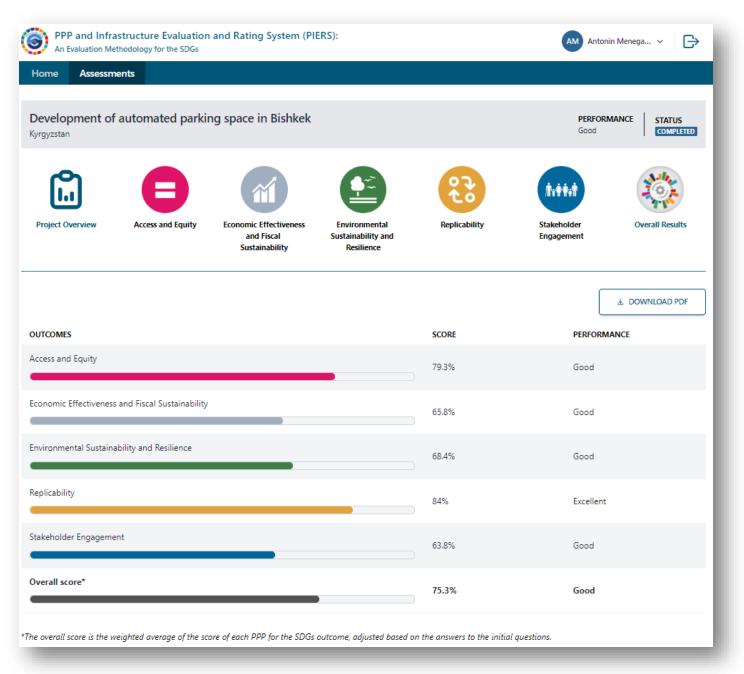
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PIERS online

Guidance (indicators)



PIERS onlineOverall results



PIERS online

Qualitative comments

Strengths

- O The project's private sponsor/shareholder is of adequate technical, financial and reputational standing to successfully finance, implement, operate and maintain the project over its life, including having access to necessary resources to fulfil its contractual obligations under various economic scenarios and to adapt the services provided to the potentially evolving needs.
- The project has developed a well-articulated risk reduction and mitigation strategy for the project involving a response and recovery coordination mechanism being put in place with the host and the affected communities.
- The project delivers "value-for-people" meaning the project offers net tangible and intangible benefits to society by providing services to a consistently and verifiably higher standard over the life of the project.
- The project has investigated the potential to utilise unwanted waste and/or excess resources from another local project or by finding local destinations for the beneficial use/reuse of its unwanted waste and/or excess resources.
- The project has undertaken a stakeholder mapping exercise to determine all stakeholders that are directly and indirectly affected by and/or interested in the project.

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Areas of Improvements

- O Consider assessing the fiscal sustainability of the PPP contract and creditworthiness of the public authority.
- Consider undertaking an Environmental and Social Impact Assessment to assess and mitigate the range of direct and indirect social impacts (e.g., direct impacts on cultural, historical, recreational, or other resources and services resulting from the project and associated activities; impacts from independent secondary development or actions that may occur as a result of the project; indirect impacts on cultural, historic, recreational or other resource or services that are important to the local community) the project will have on host and affected communities (i.e., the project service area).

PIERS online Certificate



PPP and Infrastructure Evaluation and Rating System (PIERS)

An Evaluation Methodology for the SDGs Overall results

Development of automated parking space in Bishkek	PERFORMANCE
Kyrgyzstan	Good

Outcomes	Score	Performance
Access and Equity	79.3%	Good
Economic Effectiveness and Fiscal Sustainability	65.8%	Good
Environmental Sustainability and Resilience	68.4%	Good
Replicability	84%	Excellent
Stakeholder Engagement	63.8%	Good
Overall score*	75.3%	Good

*The overall score is the weighted average of the score of each PPP for the SDGs outcome, adjusted based on the answers to the initial questions.

Note: UNECE is not responsible for the use of the score given by this tool. The score is only an information of a project compliance with the PPP for the SDGs outcomes and is based on the answers given by the user.

Strengths

- 1. The project's private sponsor/shareholder is of adequate technical, financial and reputational standing to successfully finance, implement, operate and maintain the project over its life, including having access to necessary resources to fulfil its contractual obligations under various economic scenarios and to adapt the services provided to the potentially evolving needs.
- 2. The project has developed a well-articulated risk reduction and mitigation strategy for the project involving a response and recovery coordination mechanism being put in place with the host and the affected communities.
- 3. The project delivers "value-for-people" meaning the project offers net tangible and intangible benefits to society by providing services to a consistently and verifiably higher standard over the life of the project.
- 4. The project has investigated the potential to utilise unwanted waste and/or excess resources from another local project or by finding local destinations for the beneficial use/reuse of its unwanted waste and/or excess resources.
- 5. The project has undertaken a stakeholder mapping exercise to determine all stakeholders that are directly and indirectly affected by and/or interested in the project.
- 6. The level of service provided by the project has identified and addressed the accessibility needs of the people the project intends to serve over the life cycle of the project and taking into account various economic development scenarios, such that the service provided by the project is accessible by all users, including those most vulnerable and disadvantaged.
- 7. The project has taken into account the real needs of the people by reference to their economic and social situation.
- 8. The project has implemented the stakeholder engagement and public participation plan(s) throughout the project's lifecycle in an effective, timely, and inclusive fashion.

- 9. The project has generally followed or adhered to the UNECE Standard on a Zero Tolerance Approach to Corruption in PPP Procurement (ZTC) or the principles contained therein.
- 10. For a concessions PPP: the service provided by the project is and can be expected to remain reasonably affordable for the users including if necessary, through special rules for those most vulnerable and disadvantaged. For a government-pay PPP: the costs of the service provided by the project can be accommodated within the available public sector budget.
- 11. The project has created a significant number of new local jobs during project identification, development, and
- 12. Opportunities for the transfer of knowledge/know-how, technologies, and skills from the private party to the public party and/or local community stakeholders have been assessed and/or successfully implemented.
- 13. Quality and pertinent information about the project relative to the PPP for the SDGs outcomes is readily available to all stakeholders, including members of the public, and provided in a transparent, timely, understandable, and accessible fashion and is incorporated in the PPP contract.
- 14. The project generates positive "value-for-money" meaning the costs net of benefits of the selected PPP contractual model are lower vs. a modern public procurement model.
- 15. The project has conducted an environmental and social impact assessment (ESIA) (or initial environmental assessment (IEE) for category B projects).
- 16. The project is implementing one or more innovative methods, technologies, or processes that eliminate or substantially reduce significant problems, barriers or limitations, and/or create scalable and transferrable solutions.
- 17. The project has quantified the number of people who will have new or improved access to one or more essential services as a direct and/or indirect result of the project who previously had no or unsatisfactory access to these
- 18. The project has implemented all measures possible to ensure members of the public, including environmental defenders, are able to express their views and participate freely without fear of being penalised, persecuted or harassed for their involvement
- 19. The project is creating quality jobs that are in line with the ILO Decent Work Indicators.
- 20. The project is increasing government capacity and/or project/industry capacity.
- 21. The project is developing and implementing an environmental management plan (EMP) to avoid, mitigate impacts to, or restore the impact area.
- 22. The project is developing a plan/identifying strategies to improve the energy efficiency/reduce energy consump-
- 23. The project is including a transfer of technology (e.g. to enable a circular economy) or know-how that contributes to inclusive growth, service quality, sustainability and replicability.
- 24. A stakeholder engagement and public participation plan has been developed for the project that takes into account the specific needs of each stakeholder and considers the broad range of project issues, as related to the PPP for the SDGs outcomes, that need to be addressed.
- 25. The physical and economic displacement process as a result of the project has followed the UN Basic Principles and Guidelines on Development-based Evictions and Displacement.
- 26. The project has developed a plan/identified strategies to reduce or offset greenhouse gas emissions over the life
- 27. The project is maximising development impact and facilitating women's empowerment throughout the stages of the PPP (identification, development, and implementation).

Areas of Improvements

1. Consider assessing the fiscal sustainability of the PPP contract and creditworthiness of the public authority.

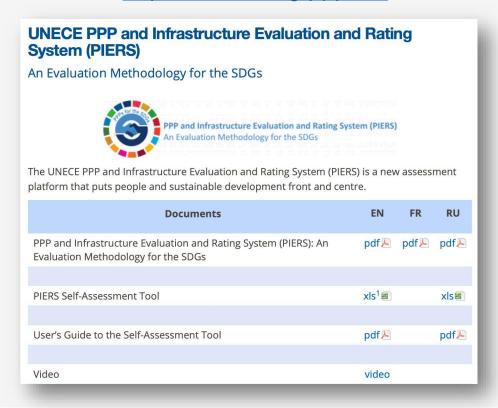
Resources

Using PIERS



Resources available on the UNECE website (in English and Russian)

https://unece.org/ppp/em



Stay in touch





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www.unece.org/ppp





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