

Challenge 1:

Future Skills needs for the Energy Transition

Scene Setter

The SkillLand Republic

- 1 Great potential for Renewable Energies (Solar and Wind).
- 2 Energy Mix still heavily relying on Fossil Fuels (85%)
- 3 Ambition to become a leader in Renewable Energies Production & Technologies.
- 4 Paris Agreement (COP21) objectives:
40% ↓ CO₂ emissions;
50% ↑ Renewables.

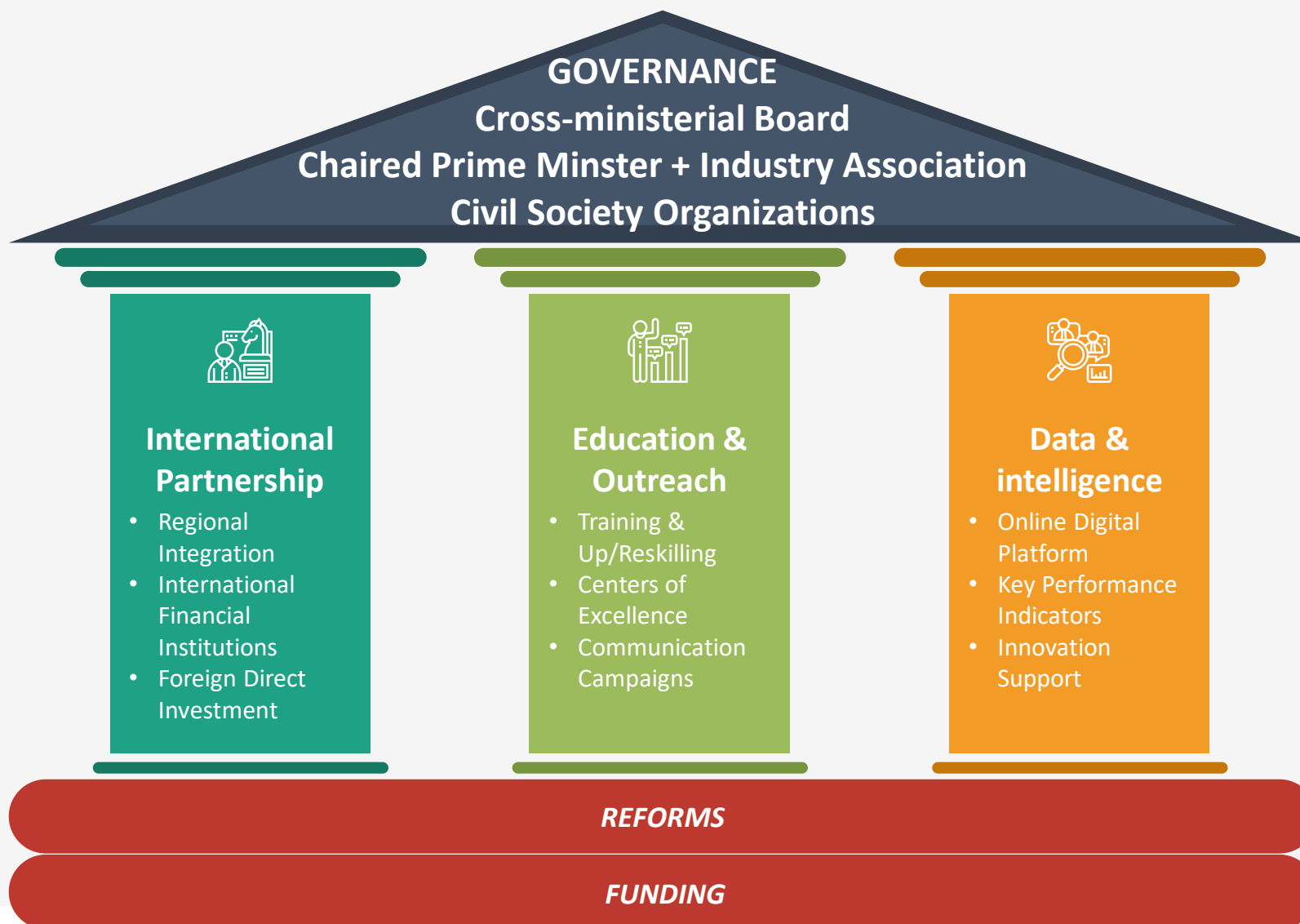


Less than 10 years to build a monitoring system for the Energy Sector (2% employment), provide quality jobs for all (youth and women participation), reform the education system, attract foreign investments and drive innovation.

E.I.A



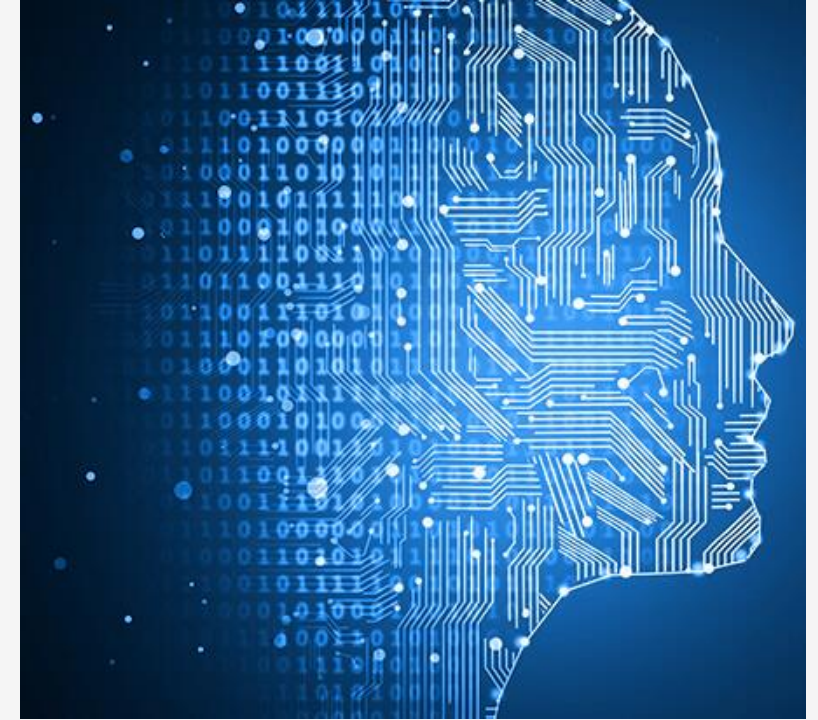
Energy Intelligence Agency of SkillLand (EIA)



Data & Intelligence Department

Exploit the power of data for evidence-based policymaking

- 1 Systematic data collection and horizon scanning to identify SWOT in terms of skills needs
- 2 Online platform with incentives to participating businesses (taxes, feedback, sectoral trends...)
- 3 Involve private sector (business associations, chambers of commerce) and social partners in survey design
- 4 Setup a monitoring system with Key Performance Indicators (KPIs) and interim reviews to steer the transition back on the right track



The body will be the focal point for sectoral data beyond skills and employment.

A central hub bringing together employers, employees, unemployed, educators and local/regional authorities.

Education & Outreach

Train the trainers and education institution managers (Exchanges programs with Best Practices Countries)

- 1** Empower education institutions to implement the adequate curricula changes + Extra-curricula activities => Raise awareness through marketing campaigns for all ages (games, influencers)
- 2** Promote (inclusive) Centers of Excellence for gifted students in partnership with innovators & technology leaders
- 3** Break Gender stereotypes in education => Female participation in STEM through "champions (role models)" => Employment
- 4** Support businesses for on-the-job training, VET and apprenticeship to address short-term skill needs
- 5** Instill a culture of tolerance for failure as a (necessary) step towards success => competitive funds to lower the risks of ventures



The department will work beyond addressing skill needs by changing the perception of career aspirations.

Inspiring youths and women to be active actors of change, attracting talents and entrepreneurs.

International Partnership & FDI

SkillLand will not go it alone!

- 1** Steering Committee in charge of setting-up clear (open) market rules and a stable (favorable) regulatory framework
- 2** Mobilize funds from International Financial Institutions in order to invest in renewables infrastructure + technical assistance
- 3** Guarantee knowledge transfer between foreign investors and local business through partnership agreements
- 4** Regional integration and networking with other countries and international organizations through exchange programs



Capacity Building in securing international funds to support knowledge transfer from academia to businesses.

Crowding in private funds through public funds guarantees.