



Ecologic Institute
Science and Policy
for a Sustainable World



REmap Evaluation – Preliminary Findings

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Preview

Development of REmap 2012–2017

Impact and **Relevance** of REmap

- ▶ **Countries and Regions**
- ▶ **Globally**

Unmet Demand and **Areas of Improvement**

Options and **Recommendations**

Evaluation Approach and Resources

- ▶ Reconstruction of original **Objectives** and **Expectations** emerging and evolving later; the focus on **Impact**
- ▶ **19 Interviews** with external experts & IRENA staff
- ▶ **2 IRENA/REmap-internal Workshops**
- ▶ **Web-based Survey** (with 54 responses, up 8 from 2015)
- ▶ **Document Analysis**
 - REmap National Experts Annual Workshops (and similar)
 - Previous IRENA evaluation (2015)
- ▶ **This Workshop** (Abu Dhabi, 27 November 2017)

Development of REmap 2012–2017 – "Mission"

See **Invitation** to this Workshop and previous **Presentation**
Growth has been in Response to Demand, measured by:

- **Geographic Coverage** (number of countries and regions)
- **Technologies & related themes** (e.g. efficiency, storage)
- **Time Horizon** (from 2030 to **2050** (and beyond))
- **Ambition** – from "Doubling" to full "**Decarbonisation**"
- **Impacts**, now including economic and social aspects
- **Outreach** (to countries) & involvement globally (e.g. **G20**)

Key Take-Away Messages from the Evaluation

- ▶ Everyone wants "**More of REmap**", but different things
- ▶ REmap has grown beyond capacity; **Needs an Upgrade**
- ▶ There are **Divergent Views** on what that would look like
- ▶ Many **Challenges** are
 - **Staffing** levels, team structure (including oversight)
 - **Funding** levels, structure, and time horizon
 - Simplicity/complexity of **REmap Tool** and approach
 - Workload and "stretching of method" **Risks Quality**
 - The '**German Flavour**' of REmap (host of IITC Bonn)

Key Take-Away Messages from the Survey

The Summary Concurs with Insights from the Interviews:

- ▶ Overall **Quality & Impact** Can Still be Improved (Q1-7)
- ▶ REmap' Facilitation of International, Regional, Multi-Stakeholder **Dialogue is Important** for Impact (Q8+9)
- ▶ REmap Analysis is Widely Used for **Policy Making** (Q10)
- ▶ REmap Analysis is Generally Regarded as **Useful** (Q11)
- ▶ REmap Overall Assessment **Good to Excellent** (Q12)
- ▶ **The Way Forward ?**
Directions are All Over the Place ! (Q13)

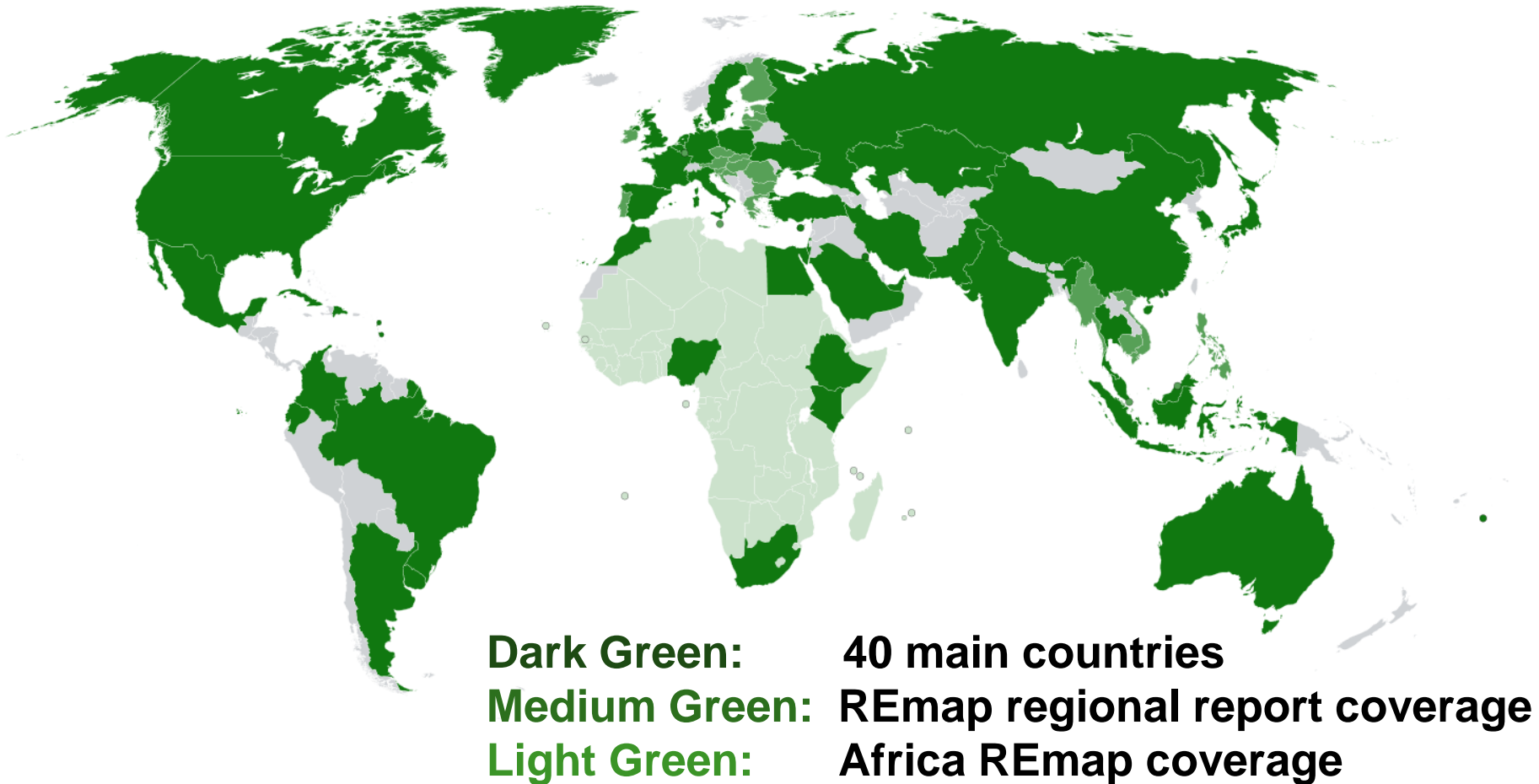
Impact and Relevance – Countries & Regions

- ▶ There was (and is) **Impact in all (14) REmap Countries**; Impact **Varies** with size, complexity & development level
- ▶ **Impact** stemmed from **data and information gathering, collaborative analysis, focus on renewable energies, IRENA status as IGO** (getting access to upper hierarchy)
- ▶ **Regional dialogues with REmap** as a framework for analysis and knowledge basis is regarded as **Very Useful**
- ▶ **Stepping-up Approach** is useful: First Doubling: **30% RE**, second **50% RE**, only then third, Decarbonisation (**100%**)
- ▶ "**Collaborative Engagement**" is seen as most important
"**Process is More Important than Product** (the report)"

Impact and Relevance – At Global Level

- ▶ IRENA/REmap "**Changed Terms of Global Debate on RE**"
 - ▶ Helped "**Thinking Through**" the process of change
 - ▶ Created **Credibility** for higher ambition levels
 - ▶ Showed politically feasible, practical **Ways Forward**
- ▶ Relevant for Development and **Access to Energy** (SE4All), **Energy Transition** Policy coordination (BETD, CEM), Understanding of **Macro-Economic Effects** (G7/G20)
- ▶ IRENA (with REmap) now seen as **Essential Energy IGO**

REmap country coverage



Unmet Demand & Areas of Improvement – External

- ▶ There is demand for "More REmap, please" in terms of:
 - More **Countries** Covered, and Services Provided
 - Engagement with **Regions** (assisting policy learning)
 - **Intensity of Exchange** & Collaborative Engagements
 - '**Face Time**'; Senior REmap Staff & Decision-Makers
 - REmap **Training** (the trainers, officials or consultants)
 - **Quality** (input data, analytical rigor, language, layout)
 - **Transparency** and **Ease of Use** (of REmap tool)
 - **Synergies** with other IRENA or other donor activities

Unmet Demand & Areas of Improvement – Internal

- ▶ There is awareness of necessary improvements:
 - Division of Labour and **Specialisation** in Team: "Quants" and "Coaches/Communicators")
 - Workflow Management and **Oversight**
 - Information Management and **Quality Control**
 - Communication and "**Planning for Synergies**"
 - "After–Sales–Services", including **Dissemination**
 - ▶ Improvements & Expansion need **More Staff and Funding**,
Longer **Planning-Horizon**, and **Responsive Administration**
- External and Internal Perspectives are Aligned !**

REmap Faces Dilemmas in Expectations

- ▶ Serving **All Member Countries** or the **Global Debate**
- ▶ Focus on **Technical Leg-Work** or high-level **Political Input**
- ▶ **REmap Tool Being Simple** but effective and good for collaborative engagement vs. **Analytical Depth & Rigour**
- ▶ Providing **Development Support** or **Specialised Analysis**
- ▶ Being an **Autonomous Unit** or **More Integrated in IRENA**
- ▶ IRENA being a **Complement** or **Competitor** to the IEA
- ▶ ...
- ▶ **REmap Needs Strategic Choices about Core & Periphery**

REmap Future – Options for Staffing & Structure

REmap **Staff** Should Grow to 15 or 20

- ▶ **Specialisations**: "core" quantitative work; other analyses of countries, technologies, issues, etc.; reporting, outreach and training, dissemination and communication, internal and external coordination
- ▶ Depending on overlap and synergies within IRENA, **Consultants** (framework contracts), **External Partners**
- ▶ **Rules on** (accepting) **Secondments**

3 Senior Managers (led by Dolf Gielen), perhaps

1 Chief Developer, 1 Chief of Staff, 1 REmap Ambassador

REmap Future – Options for Partnerships

Coordinate & Share Work & Outreach within IRENA

Form Strategic Partnerships with, for example

- ▶ **Country Partners** for **Technical Analysis & Data Work** such as NREL (US), CNREC (China), Fraunhofer (DE)
- ▶ **Country or Regional Organisations** for **Development Support, Policy Learning, Capacity Building, Training**
- ▶ **(Academic) Research Organisations** for **Modelling**
- ▶ **Media Organisations** for Outreach (e.g. BNEF)

Aim: Reduce Workload on REmap Team, allow better Focus

REmap Future – REmap Tool and Approach

REmap Must be **Broad & Inclusive** on Renewable Energy

- ▶ **All Sectors:** Power, transport, industry, buildings, ...
- ▶ All renewable energy **Technologies**, including storage, other low carbon options and transition fuels
- ▶ **Grid Integration**, smart grid, off-grid & micro-grid
- ▶ **Energy Efficiency, Demand Response**, ...

REmap should maintain and build **Further Expertise** on

- ▶ **Investment, Capital Formation, Business Innovation**, ...
- ▶ **Employment, Macro-Economic & Geopolitical Impacts**

This requires an upgrade of the REmap tool and modules

Upgrading REmap

With all the benefits and co-benefits of renewable energies, **REmap should be upgraded**. This may require changes in the institutional set-up within IRENA, and will need support from countries as

"Friends of REmap"



Conclusions: It is "Double or Quit"

Remember:

- **REmap has Grown** beyond institutional design capacity; now has quality issues & **Risk to Integrity & Reputation**
- Everyone wants "**More of REmap**": Unmet Demand based on very different **Expectations Can Tear REmap Apart**
- **REmap Needs More** and more stable **Staffing, Funding, Structure, and Procedures** to meet these expectations
- It is difficult to see how "organic growth" within IRENA can deliver: Explore Option of **Trust Fund for REmap 2.0**

REmap Workshop – Guiding questions

- ▶ What is REmap for You ?**
- ▶ How has REmap been Useful and How do You Define its Impact ?**
- ▶ Should REmap Focus more on Providing Political Messages or more on Technical Depth ?**
- ▶ What can you Contribute to Support the REmap Work ?**
- ▶ How Could we Increase REmap's Impact ?**
- ▶ What Should Be the Future Focus of Global REmap ?**

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