



Regional Grid Emission Factors

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Regional Grid Emission Factors: why; what to do..?

- **Why?:** real emission reductions and not only the ones that fit CDM guidelines and procedures. This will increase access to much needed carbon finance for clean electricity producers in currently labelled 'clean baseline countries' (e.g. Zambia).
- **What to do?:**
 - Development of a regional grid emission factor only taking into consideration the energy mix of the grid and not the physical location of generating units;
 - Update the regional grid emission factor at least annually and make information easily accessible (e.g. via UNFCCC);
 - Be conservative to account for integrity of the CDM system.

Please note that the outcome is not a methodology, but just a number to be multiplied with power generated to reach the amount of CERs ($0.5 \text{ kgCO}_2/\text{kWh} \times 120 \text{ GWh/yr} = 60,000 \text{ CERs/yr}$)

Regional Grid Emission Factors: where to start; with whom..?

- **Where to start?:** Southern African Power Pool (SAPP) as it is a largely coal dominated grid with South Africa being the only country that can make use of a high grid emission factors. In addition many small-medium hydro projects are under development in Namibia; Lesotho; Zambia; Mozambique; etc. and they although they are connecting to the SAPP they are considered to operate within a clean baseline context.
- **With whom?**
 - SAPP Secretariat (Power sectors and Energy ministries);
 - Private or public sector investors in the SAPP electricity sectors;
 - Consulting engineers familiar with SAPP power sectors; and
 - Out of the box thinkers with good CDM methodology knowledge (consultants, academics, DOEs, others..)

Regional Grid Emission Factors: practical issues

- **Who takes the lead?**

- The Southern African Power Pool (SAPP)..;
- A utility in the region..;
- A project developer or consultant..;
- A donor or group of donors..;
- The EB; others...?

- **Resources?**

- Human; institutional; financial; and political capital;
- What incentive is there to provide these resources..? And what is expected in return..?
- How much would be required and by when can this be successfully sourced..?

- **Other issues:**

- Role of the DNAs;
- Will RSA be supportive of such an approach..?
- A lot of politics will be involved !

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Thank you for your kind attention !

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