



Sustainable United Nations



Sustainable United Nations

Supporting the UN Climate Neutral Strategy

**United Nations
Environment Programme**

A hand is shown in the lower right corner, placing a white puzzle piece into a larger puzzle. The puzzle pieces are white and are set against a background of a blue sky with white clouds and a green field. The text "Here Comes the SUN" is written in white, bold, sans-serif font in the upper right quadrant of the image.

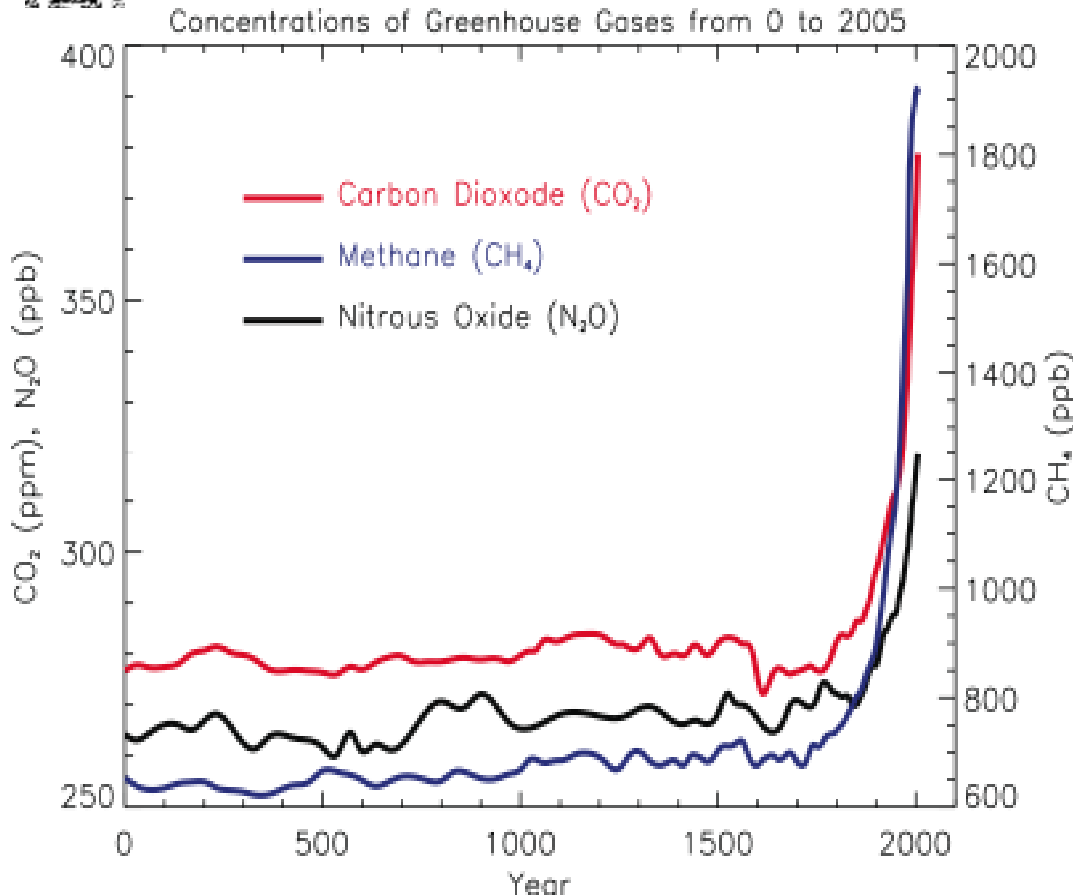
Here Comes the SUN

- Background
- Objective of SUN
- Our approach
- Sources and Causes
- SUN as a place for information
- SUN as your best friend



SUN

Climate Change in a Nutshell



GHG emissions increased by 70% from 1970 to 2004

GHG levels in the atmosphere are the highest in 650,000 years

The question is not IF? but HOW MUCH?

Mitigation costs are estimated to 1% of global GDP per year

Costs of no action is estimated to 20% of global GDP per year

Climate Change is the global threat!

Where is UN?



SUN



More than setting a good example

UN SG pledged, on World Environment Day (5 June 2007)

“...to explore ways of making the United Nations more climate friendly and environmentally sustainable, and to develop a climate-neutral approach to its premises and operations.”



Ban Ki-Moon UN SG

- Climate Change impacts almost all mandates of UN.
- More and more UN organizations are challenged by their governing bodies and member states
- Our ability depends much on our credibility





SUN



Strategy for Climate Neutral UN

Statement of the Chief Executives Board (26 October 2007) :

“We, the Heads of the United Nations agencies, funds and programmes, hereby commit ourselves to moving our respective organizations towards climate neutrality in our headquarters and United Nations centres for our facility operations and travel.”

In particular, by the end of 2009 we will:

- ***Estimate our greenhouse gas emissions*** consistent with accepted international standards;
- Undertake efforts to ***reduce our greenhouse gas emissions*** to the extent possible; and
- Analyze the cost implications and explore budgetary modalities- including consulting with governing bodies as needed - of ***purchasing carbon offsets*** to eventually reach climate neutrality.



SUN

Sustainable United Nations



- Why?** CEB adoption of UN C-neutral strategy
- How?** By each organization
- But:** There is a need for guidance, support, and exchange of know-how and lessons learned.

SUN will:

- ✓ Assist in identification, quantification and justification of opportunities for emission reduction.
 - ✓ Provide tools, methodologies and guidelines.
 - ✓ Support information exchange and access to outside expertise
-
- SUN is working with UN and other organizations
 - SUN supports climate neutrality and sustainability



SUN



Sources and Causes

Heating as example:

Initial conclusion: High emissions = need to improve heating system

Are you sure? Possible causes for large GHG emissions associated with heating include:

- Energy supply
- Performance of building envelope
- Indoor target temperature
- Attitude of staff
- Operational hours of office
- Office heating strategies
- Level of heat recovery in exhaust air



- Zoned control of heating
- Integration of HVAC
- Technical performance of heating system
- Maintenance of system
- Training of technical staff
- Energy saving plan



SUN

Simple ideas can go a long way



Example of light

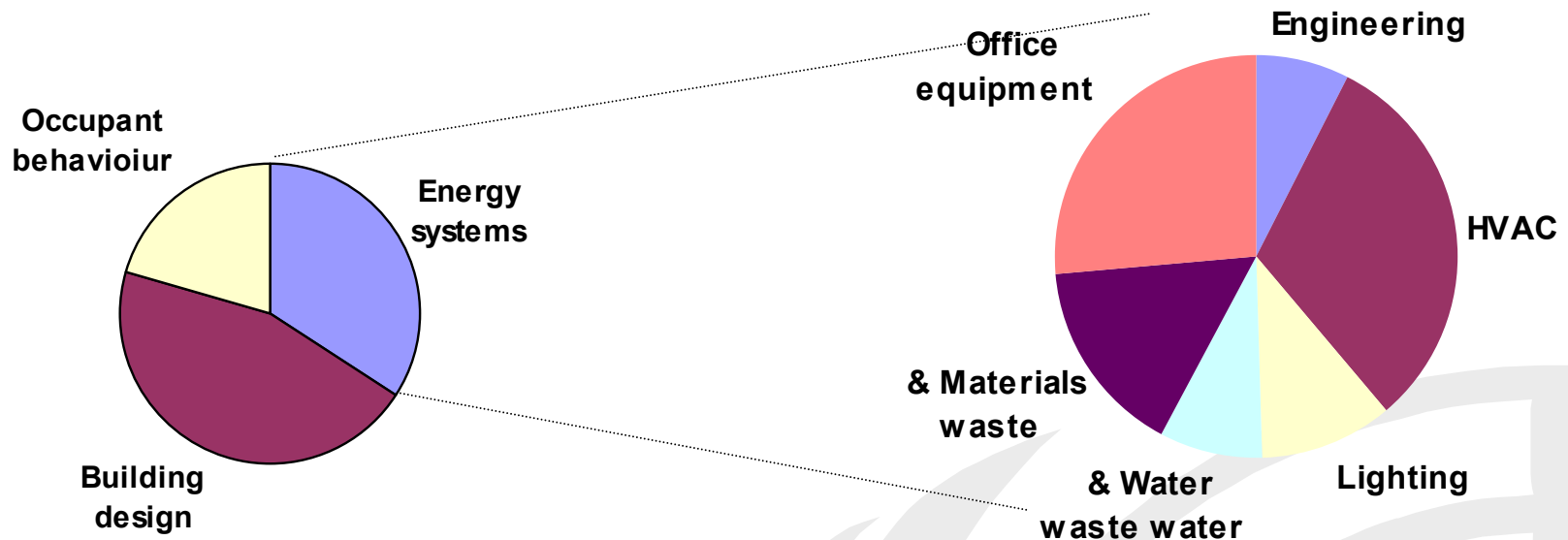
1. Change to efficient lamps
2. Change to efficient ballast
3. Personalize light controls
4. Central turn off after working hours
5. Occupancy sensors in infrequently used areas
6. Maximize day light penetration through window design
7. Maximize light penetration through interior design
8. Understand why lamps are switched on
9. Minimize glaring and through-window heating
10. Raise awareness for staff
11. Provide incentives for staff
12. Set formal targets and monitor
13. Encourage e-commuting





SUN

Causes for energy use



Building design & operations

- Building envelope, design features
- Energy systems (power supply, heat/cool, ventilation, lighting, etc)
- Water and waste systems, and Chemicals use



Procurement (travel, transport, equipment etc).



Management policies / Organizational culture



SUN



Priority Areas

SUN will focus on:

- | | |
|---------------------------------------|---------------|
| 1. Buildings & facilities: | Where we are |
| 2. Procurement & travel: | What we use |
| 3. Culture: | How we behave |



Two ways of getting some SUN:

- Conduct cross-cutting assessment with SUN support with the aim to develop comprehensive action plan for climate neutrality
- Use tools & guidelines, benchmarks, case studies, expert network and on-line information exchange to address specific issues.



SUN

Screening & Actionplan

SUN works with the organization to:

- Conduct initial review
- Identify areas for in-depth assessment
- Draft action plan for climate neutrality
- Verify & support proposal
- Assist with tools, expert network, information sharing

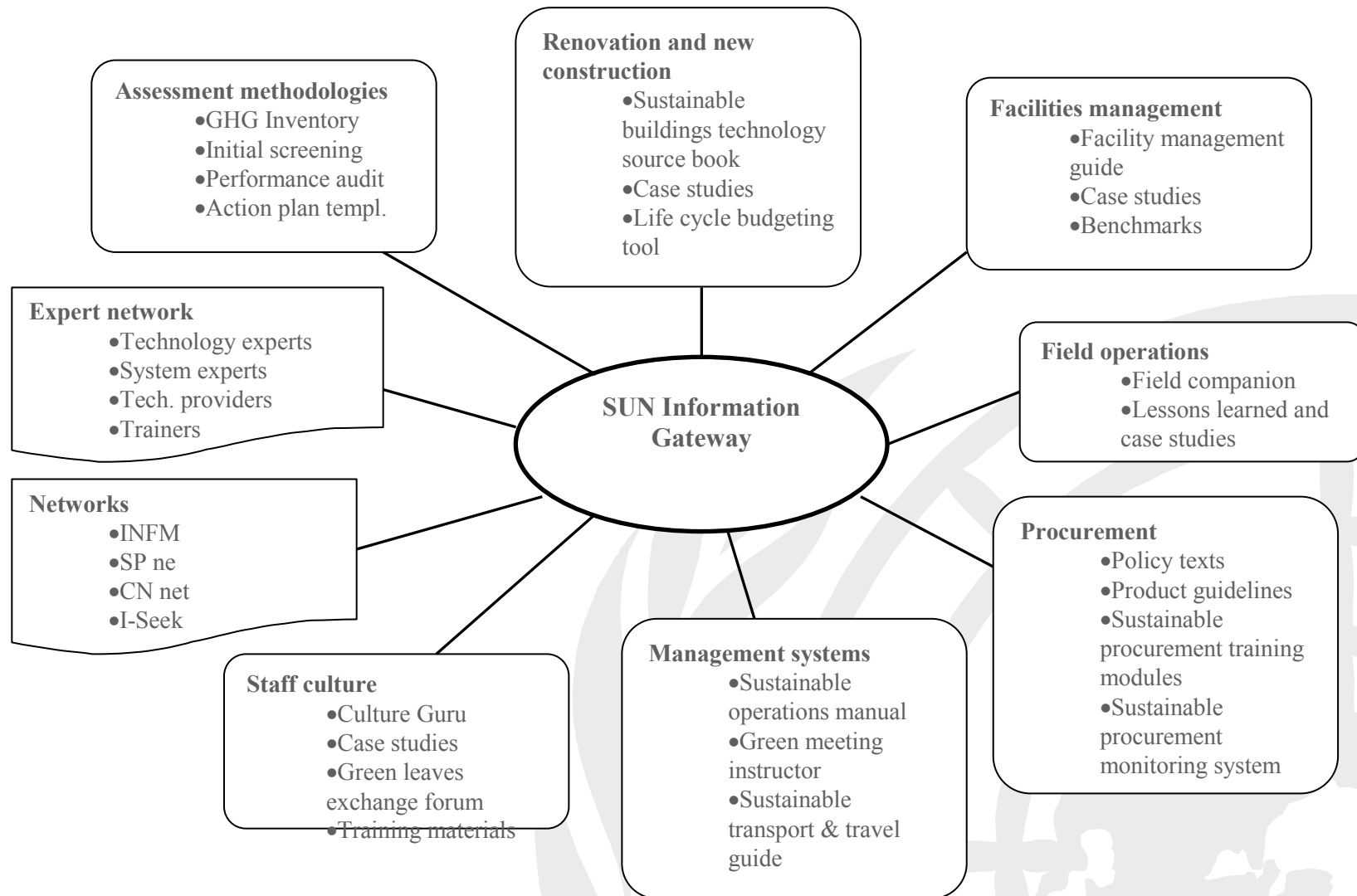
Based on formal agreement between SUN and organization.





SUN

SUN Tools

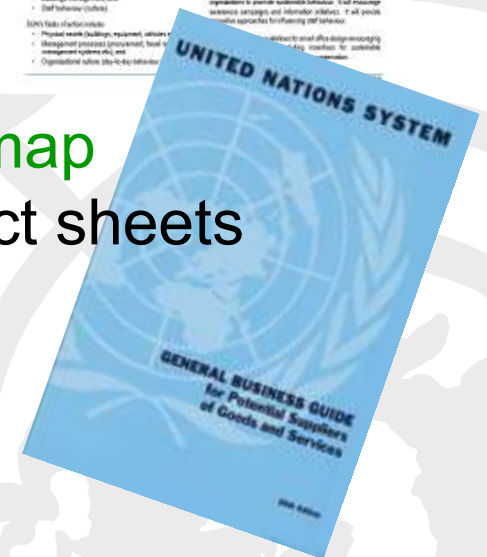




SUN

Key SUN resources

1. GHG inventory tool
2. Screening methodology
3. Performance audit system
4. Facility management guide
5. Technology source book
6. Life Cycle budgeting tool
7. Field companion
8. Green meeting instructor
9. Sustainable Travel & Transport roadmap
10. Procurement guidelines & product fact sheets
11. Procurement policy and statistics
12. Cultural Guru
13. Sustainable Operations Manual
14. Expert network
15. Information gateway - KMS



A close-up photograph of a person's hands planting a small green seedling into dark soil. The hands are positioned on the right side of the frame, with the fingers gently holding the stem of the plant. The background is a soft-focus green, suggesting an outdoor setting. The overall tone is positive and hopeful, symbolizing growth and environmental care.

Working with SUN

1. Working with SUN is voluntary
2. The UN Climate Neutral goal is already adopted
3. SUN will help you to do the work – not do the work for you.
4. Working with climate neutrality will still require time and resources from your organization
5. SUN is not an audit and not a certification!
6. It is still early dawn but we expect a sunny day!