

Private sector financing and engagement to accelerate the cooling market transformation: what's needed?

(UN, 1987) define the sustainable development as- meeting the needs of the present without compromising the ability of future generations to meet their own needs". This can be adopted in sustainable cooling systems by addressing the:

- Selection criteria for refrigerants considering sustainability aspects.
- Considering Energy consumption (EE) for refrigeration systems as a design factor.
- Addressing the Environmental impacts – ODP & GWP
- Application of renewable energy sources as well as the thermal energy storage;
- Changing the regulations to encourage the selection of sustainable cooling systems, Sustainable building concepts and Sustainable energy storage

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***** 2 stage of financing is needed:**

1-Demonstration projects stage (For a specific product range and cooling capacity range) to examine the new technology including the low GWP sustainable, high EE equipment, the tests should cover the performance and safety issues

2-Actual production stage which includes the capacity buildings of the equipment manufacturer

Note:

The approach from MLF (is to reduce the budget even for a DEMO projects where the conversion costs are much higher than the approved Fund) a restricted policy in using ICC and IOC. (New approach)?

the restrictions in the flexibility of moving IOC to ICC is an additional difficulty (challenge) that may limit the full engagement of beneficiaries?

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***** A Tailor-made financial solution for non-article 5 countries is needed considering the following factors:**

a-HAT countries T3 and **above T3** conditions

b-MEPS minimum requirements (EE) at both T1, T3 conditions and May **be above T3 conditions**

c-Capacity building including the safety for the production areas, knowledge, production machines,...

by

1-Incentives, the Tax exemption

2-Incentives, demo projects MORE IS NEEDED

3- Incentives, production line changing amending, financing

4-Financing per kg of high GWP refrigerant phase down and per EE incremental raise?