

6 GENERAL CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- Solar fridges are the only RE cooling/ice-making equipment widely commercially available.
- If RE products are available: high up front cost, thus high risk, unfavourable for a starting business: detailed market study and planning is needed before starting a RE cooling/ice-making business.
- Low investment cost alternatives are usually widely available: gas/kerosene fridges and diesel generators for AC fridges or ice machines
- Market niches where commercial cooling / ice-making may be feasible (depending on the local situation):
 - small scale milk cooling (recommended for further study)
 - ice making for fish with wind-diesel or with series produced and optimized ISAAC
 - local production or assembly of solar fridges or other cooling/freezing equipment.

Recommendations

- Research and product development for RE milk cooling is recommended.
- Market assessment and development of a standardised hybrid system for ice making for fish.
- Demonstration, optimisation and evaluation of existing 'early' RE ice making/cooling technology (ISAAC, ECN vending cart) aimed at local series production .
- Development of dedicated loans on favourable terms for investments in RE ice making and cooling that make it possible to compete with low investment conventional options.