

Technology Fact Sheet for Mitigation

Technology	Description	Benefits	Challenges
Solar for cooking ⁱ	<p>The solar cooker concentrates and bends solar radiation with the help of a reflecting surface on the back, top, and bottom sides of a pot. There are a variety of types of solar cookers. According to the design, solar cookers are of three types: box cooker, panel cooker and a parabolic cooker. Investment cost for a solar cooker ranges between US\$ 20-30 per unit.</p>	<p>Handling it is easy, but the solar cooker does need its space: the larger the reflector surface, the stronger its power to heat.</p>	<p>Currently, the use of solar ovens is very limited among the rural communities of the developing countries. This is due to their high manufacturing costs and the inappropriateness of current designs for multiple environments. Many designs utilise material that is not locally available, or require highly skilled labour. The technology can only be used outdoors, during the day and is dependent upon the weather.</p>

ⁱ This fact sheet has been extracted from **TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia**. You can access the complete report from the TNA project website <http://tech-action.org/>