

Scientific and Technical Advisory Panel

The Scientific and Technical Advisory Panel, administered by UNEP, advises the Global Environment Facility
(Version 5)

STAP Scientific and Technical screening of the Project Identification Form (PIF)

Date of screening: October 07, 2013

Screeners: Nijavalli H. Ravindranath

Panel member validation by: Ralph E. Sims
Consultant(s):

I. PIF Information *(Copied from the PIF)*

FULL SIZE PROJECT **GEF TRUST FUND**

GEF PROJECT ID: 5530

PROJECT DURATION : 4

COUNTRIES : Russian Federation

PROJECT TITLE: Green Shipping Programme for Russia

GEF AGENCIES: EBRD

OTHER EXECUTING PARTNERS: Ministry of Economic Development of the Russian Federation

GEF FOCAL AREA: Climate Change

II. STAP Advisory Response *(see table below for explanation)*

Based on this PIF screening, STAP's advisory response to the GEF Secretariat and GEF Agency(ies): **Consent**

III. Further guidance from STAP

The project aims at reducing GHG emissions in the Russian shipping industry. Since the focus of the project is on supporting commercial investments in shipping, STAP consents and few significant suggestions are made below.

1. The project fits well with the IMO's recently adopted (2013) mandatory measures for international shipping to reduce GHG emissions. International Maritime Organization (IMO) has adopted mandatory measures to reduce GHG emissions from international shipping, which STAP recommends the project developers refer to. (IMO, 2011. Mandatory energy efficiency measures for international shipping adopted at IMO Environmental meeting. International Maritime Organization.) <http://www.imo.org/OurWork/Environment/pollutionprevention/airpollution/pages/technical-and-operational-measures.aspx>
2. This is the first mandatory GHG reduction regime for an international industry sector and for the standard to be adopted by all countries is a model for future international climate change co-operation for other sectors (Yamaguchi M. 2012. Policy and Measures. In: Climate Change Mitigation, A Balanced Approach to Climate Change. M. Yamaguchi, (ed.), Springer Publishing Company, London, UK pp.136-138).
3. Under the objective to "develop a Technology Platform mechanism supporting the transfer of these technologies", it could be worthwhile considering the establishment of a well-monitored demonstration project using a range of examples from the fleet of ships. Metering present fuel consumption then closely monitoring maintenance costs and resulting GHG emission reductions for each of the mitigation options possible for each demonstration ship, would give clear indications to other boat-owners to follow suit. The cost savings (for a given investment and with the price of bunker oil at present crude oil prices ~\$110/barrel) would probably be commercially viable without support, so the GEF funding would then result in higher replications of converting ships than might otherwise be the case.
4. There are a large number of stakeholders and a large number of technological interventions are included. For effective implementation, it may be desirable to focus on a key stakeholders and key technological interventions, based on GHG mitigation potential.
5. Financial viability assessment of technological interventions and cost per tonne of CO2 emission reduction is necessary.

<i>STAP advisory response</i>	<i>Brief explanation of advisory response and action proposed</i>
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<p>1. Consent</p>	<p>STAP acknowledges that on scientific or technical grounds the concept has merit. However, STAP may state its views on the concept emphasizing any issues where the project could be improved.</p> <p>Follow up: The GEF Agency is invited to approach STAP for advice during the development of the project prior to submission of the final document for CEO endorsement.</p>
<p>2. Minor revision required.</p>	<p>STAP has identified specific scientific or technical challenges, omissions or opportunities that should be addressed by the project proponents during project development.</p> <p>Follow up: One or more options are open to STAP and the GEF Agency:</p> <p>(i) GEF Agency should discuss the issues with STAP to clarify them and possible solutions.</p> <p>(ii) In its request for CEO endorsement, the GEF Agency will report on actions taken in response to STAP's recommended actions.</p>
<p>3. Major revision required</p>	<p>STAP has identified significant scientific or technical challenges or omissions in the PIF and recommends significant improvements to project design.</p> <p>Follow-up:</p> <p>(i) The Agency should request that the project undergo a STAP review prior to CEO endorsement, at a point in time when the particular scientific or technical issue is sufficiently developed to be reviewed, or as agreed between the Agency and STAP.</p> <p>(ii) In its request for CEO endorsement, the Agency will report on actions taken in response to STAP concerns.</p>