
Initiatives for Next Generation Aviation Fuels (INAF) - Japan Initiative -



Outline of the INAF

1. Background
2. Organization
3. Objective
4. Agenda

1. Background

- Importance of approach to global environmental issues
- Framework in the aviation sector
- Global movement
- Inaugurate - in May 2014



2. Organization

(2-1) Steering Committee

- ✓ The University of Tokyo
- ✓ The Boeing Company
- ✓ Japan Airlines Co., Ltd.
- ✓ Nippon Cargo Airlines Co., Ltd.
- ✓ All Nippon Airways Co., Ltd.
- ✓ Narita International Airport Corporation
- ✓ Japan Petroleum Exploration Co., Ltd.



2. Organization

(2-2) INAF Members

- IHI Corporation
- ITOCHU ENEX Co., Ltd.
- ITOCHU Corporation
- Japan Aerospace Exploration Agency
- ORIX Environmental Resources Management Cooperation
- Kawasaki Heavy Industries
- Green Earth Institute
- K-Laboratory Limited Company
- Advanced Industrial Science and Technology
- JFE Engineering Corporation
- Shell Japan
- Sumitomo Corporation
- Japan Petroleum Exploration
- All Nippon Airways
- Sojitz Corporation
- Chiyoda Corporation
- University of Tokyo
- Toyo Engineering Corporation
- Toyota Central R&D Labs
- Narita International Airport Corporation
- JGC Corporation
- Nikki-Universal
- Japan Asia Investment Company
- The Institute of Energy Economics, Japan
- Nippon Cargo Airlines
- Japan Airlines
- Neo-Morgan Laboratory Incorporated
- Nomura Research & Advisory
- Hitachi Zosen Corporation
- Phoenix Business
- The Boeing Company
- Microwave Chemical Co., Ltd.
- Mitsui Engineering & Shipbuilding
- Mitsui Global Strategic Studies Institute
- Mitsubishi Research Institute
- Mitsubishi Heavy Industries
- Mitsubishi Hitachi Power System
- Euglena Corporation



2. Organization

(2-3) INAF Observers

- Ministry of Agriculture, Forestry and Fisheries
- Ministry of Economy, Trade and Industry
- Ministry of Land, Infrastructure, Transport and Tourism
- Ministry of the Environment
- Ministry of Defense
- New Energy and Industrial Technology Development Organization
- National Agriculture and Food Research Organization
- IATA Japan

Total (Members and Observers) 45 organizations

3. Objective

To discuss roadmap
for establishing supply chain
of next generation aviation fuels in Japan

3. Objective

(What INAF will do)

- For introduction of Next-Generation Aviation Fuels
- Assumed scenarios to build supply-chain by feedstock category
- Clarify the problems
- Examine the solution
- Build up basis for commercialization as roadmap

4. Agenda

- Supply-chain which use municipal wastes as feedstock
- Supply-chain which uses fat and oil that algae produce as feedstock
- Supply-chain which uses others as feedstock
- Regulation