



Plastic subcommittee

Environment and energy

Bioplastic & Plastic resource recycling

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Overall Plan **Social Problem Solving Platform**



Social problems related to plastics that need to be solved in order to build a future society

Marine Plastics Waste

Decarbonized Society

Circular Economy

Microplastics

Strengths of Osaka and Kansai Region

- Bio-industrial base
- Excellent manufacturing companies

We will mobilize the wisdom and industrial power of Osaka and the Kansai region to tackle the plastics problem!

Osaka Blue Ocean Vision (BOV)

Osaka Declaration of Zero Plastics Waste

The New Plastics Law



Plastics collection recycling system

Bioplastics Product Development

- ✓ Marine biodegradable plastics
- ✓ biomass plastics

Waste plastics and marine debris plastics survey cleanup

Plastics Resource Recycling



Social model of resource recycling and deplasticization

Utilization of waste and unused biomass



Aim for a subcommittee structure that includes a wide range of stakeholders, such as companies in diverse industries, government, universities, citizens, NPOs, etc.

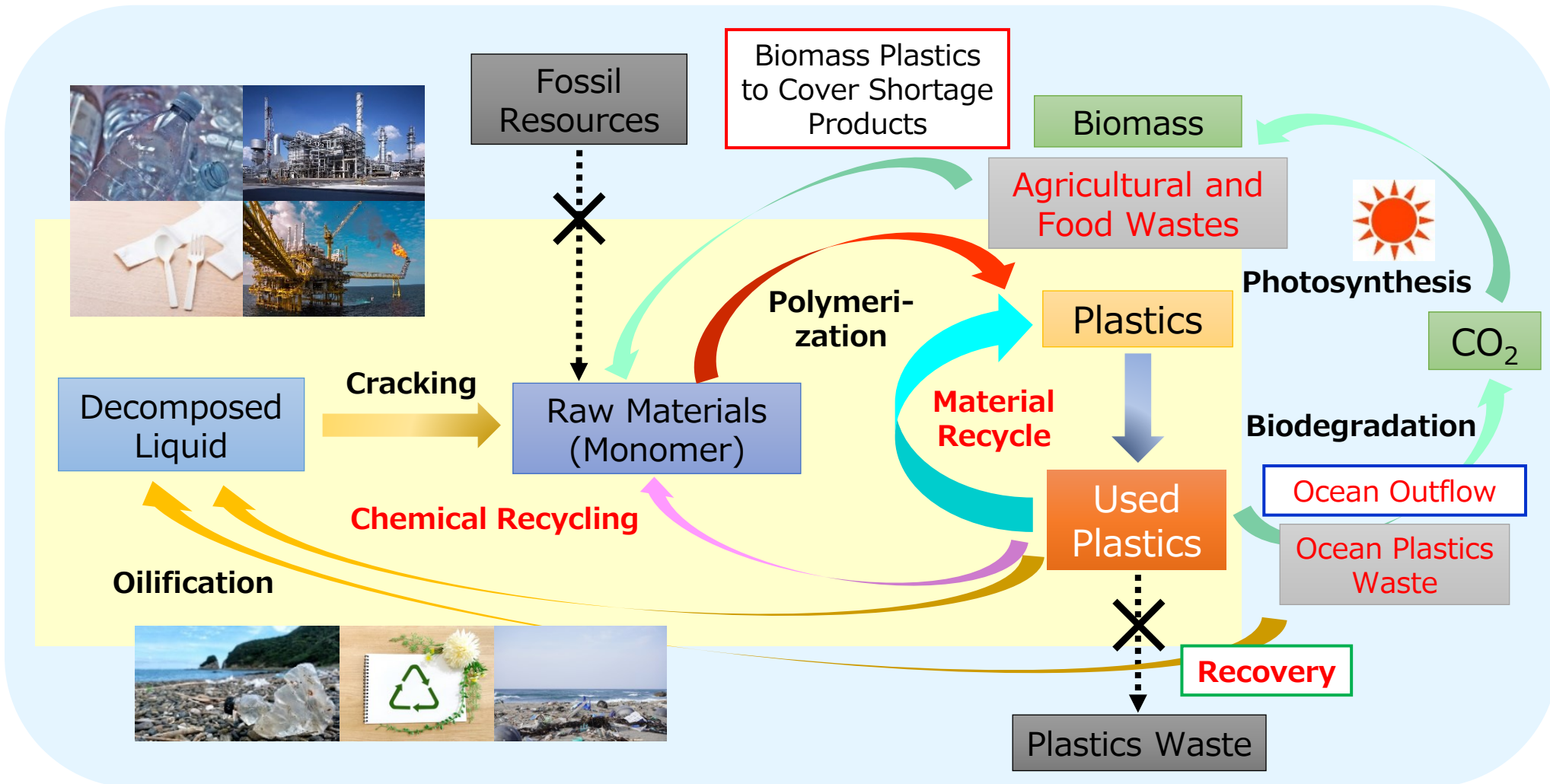
External cooperating organization

- ✓ Blue Ocean Foundation, Inc.
- ✓ MBBP Development Platform
- ✓ Plastic Love Project (Citizen's Group)

Conceptual Diagram of Complete Plastic Resource Circulation



Development of technology to recycle plastics and prevent waste from entering the environment





Activity Planning

1) Subcommittee Forum and Plastic Resource Circulation Study Session

*Planner in charge: Secretariat of subcommittee (Uyama laboratory, Osaka University)

- ✓ Forum plans seminars for members and for the public
- ✓ Plastic resource circulation study group: Set up a forum to discuss and address plastic issues across industry boundaries (expect participation from a wide range of industries) ⇒ Aim to develop into open innovation

2) Project Research (under preparation, members are being recruited with a focus on plastic recycling)

- ✓ Bioplastics (marine biodegradable plastics, biomass plastics) product development ⇒ social implementation
- ✓ Plastic recycling technology development: plastic recovery, chemical recycling (oilification), material recycling

*Aiming to contribute to BOV, we will also work on plastic recovery ⇒ Resource recycling in cooperation with society.

Activity Planning	2022	2023	2024	2025	2026
Membership Recruitment		October application period begins (groups and individuals)			
Section Meeting Forum		Seminars (including public seminars): 2-3 times/year			
Plastic Resource Recycling Study Session		Recruitment begins shortly (organizations): Plan to recruit members from a wide range of industries, including inter-industry collaboration.			
Project Research A: Bioplastics Product Development		Starts as soon as ready			
Project Research B: Development of Plastics Recycling Technology					