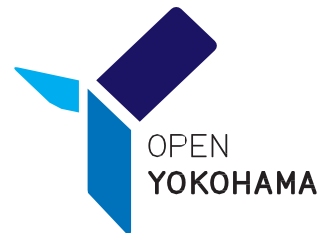




Zero Carbon Yokohama 2050

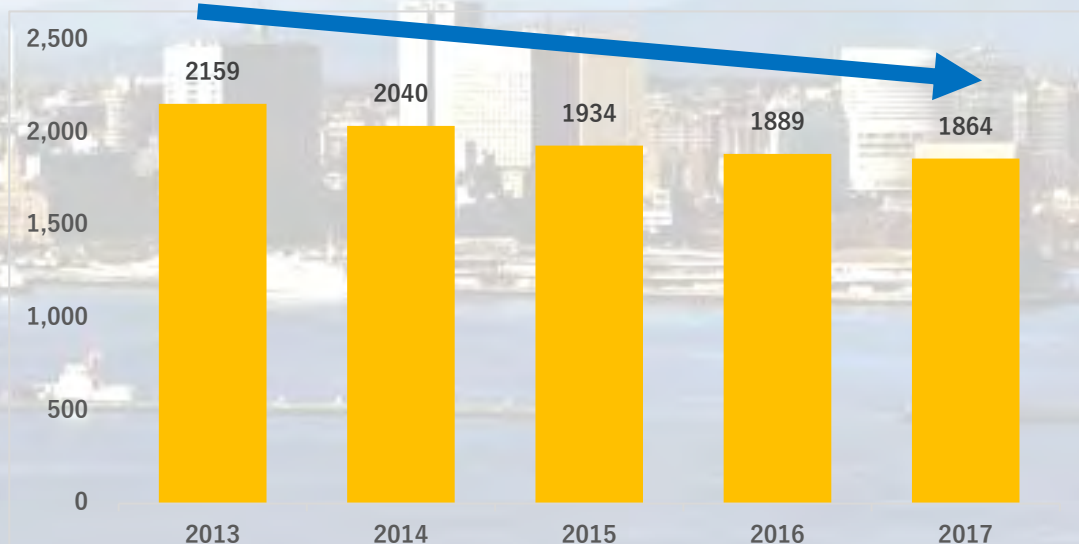
Eriko YAKUSHIJI, Director-General
Climate Change Policy Headquarters, City of Yokohama



Basic information

- Population **3.74 million**
- Households **1.70 million**
- No. establishments **120 thousand**

GHG emissions are declining

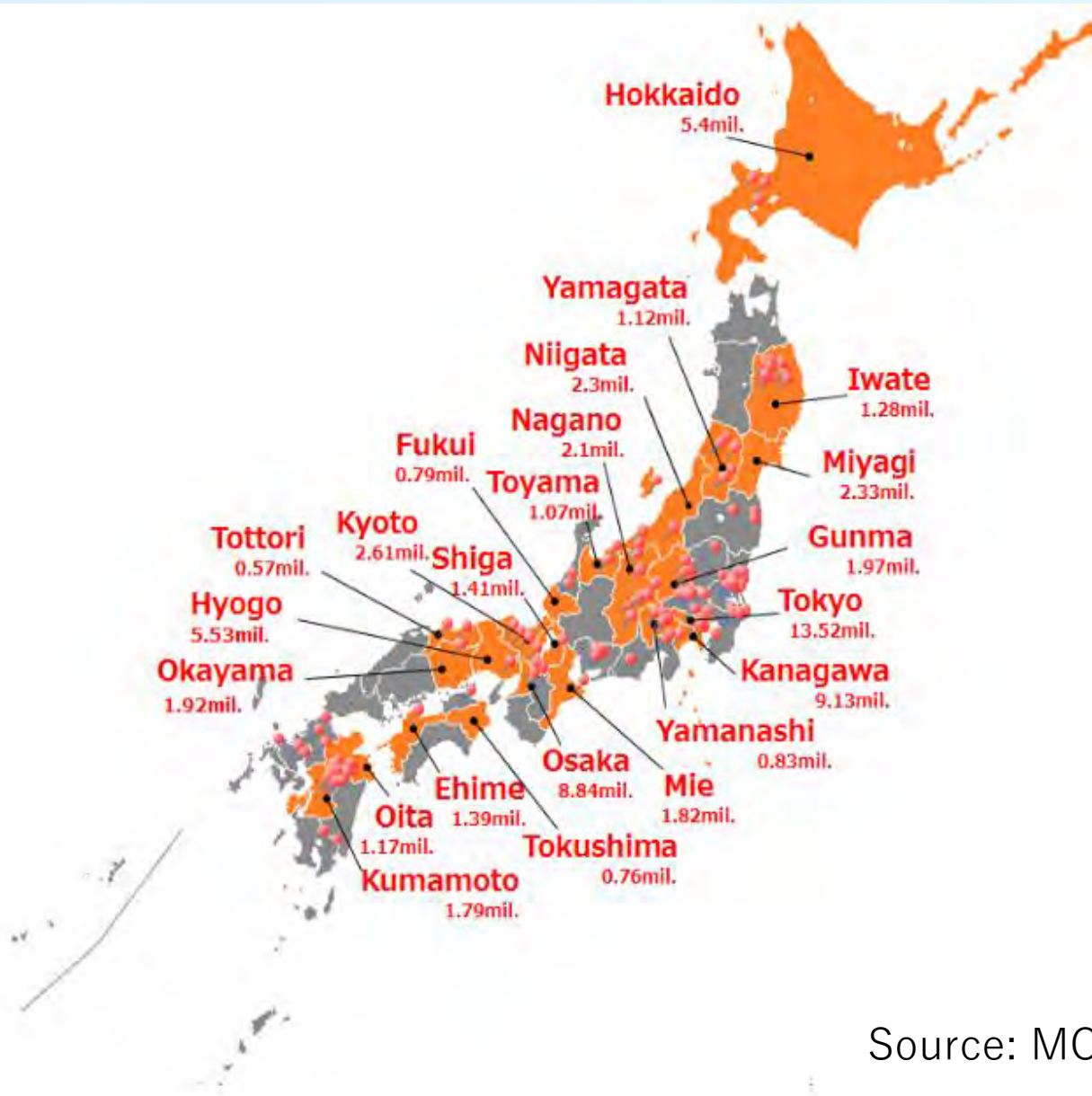


Yokohama City Action Plan for Global Warming Countermeasures



- Plan that sets a basic direction for reducing greenhouse gases in the entire city of Yokohama (formulated in 2013)
- Revised the plan in 2018 based on global trends (Paris Agreement and SDGs)
- Set the goal **“Zero Carbon Yokohama”**, achieving **carbon neutral by 2050**.
- Positioned in regional climate change adaptation plans under the Climate Change Adaptation Act

2050 Zero Carbon Cities in Japan



Source: MOEJ

As of November 3,

- 169 local governments announced their commitment to net zero carbon emissions by 2050.
- Representing 80 million people (63.2% of Japan's population), and 3.5 trillion USD in GDP.

Dissemination at “ the Online Ministerial Meeting”



**Video message from the Mayor at the “Online Ministerial Meeting on Climate Change”
about measures taken to combat global warming in the wake of the COVID-19**

【Summary】

Date: September 3, 2020 (20:00-23:30)

Organizer: Sponsored by Ministry of the Environment,
with cooperation of UNFCCC

URL: <https://platform2020redesign.org/>

[Summary of transmission]

- Declared "Zero Carbon Yokohama" as a SDGs Future City
- Working on wide-area cooperation on renewable energy, blue carbon and YSCP in order to achieve this goal
- Today, about half of the world's population is said to live in cities, and I should confront climate change and COVID-19 as a leader.
- Let's collaborate with other nations and cities to tackle global challenges and to create a beautiful planet for the future.



Yokohama City's inter-regional cooperation efforts

■ Yokohama City's renewable energy potential... 11%.

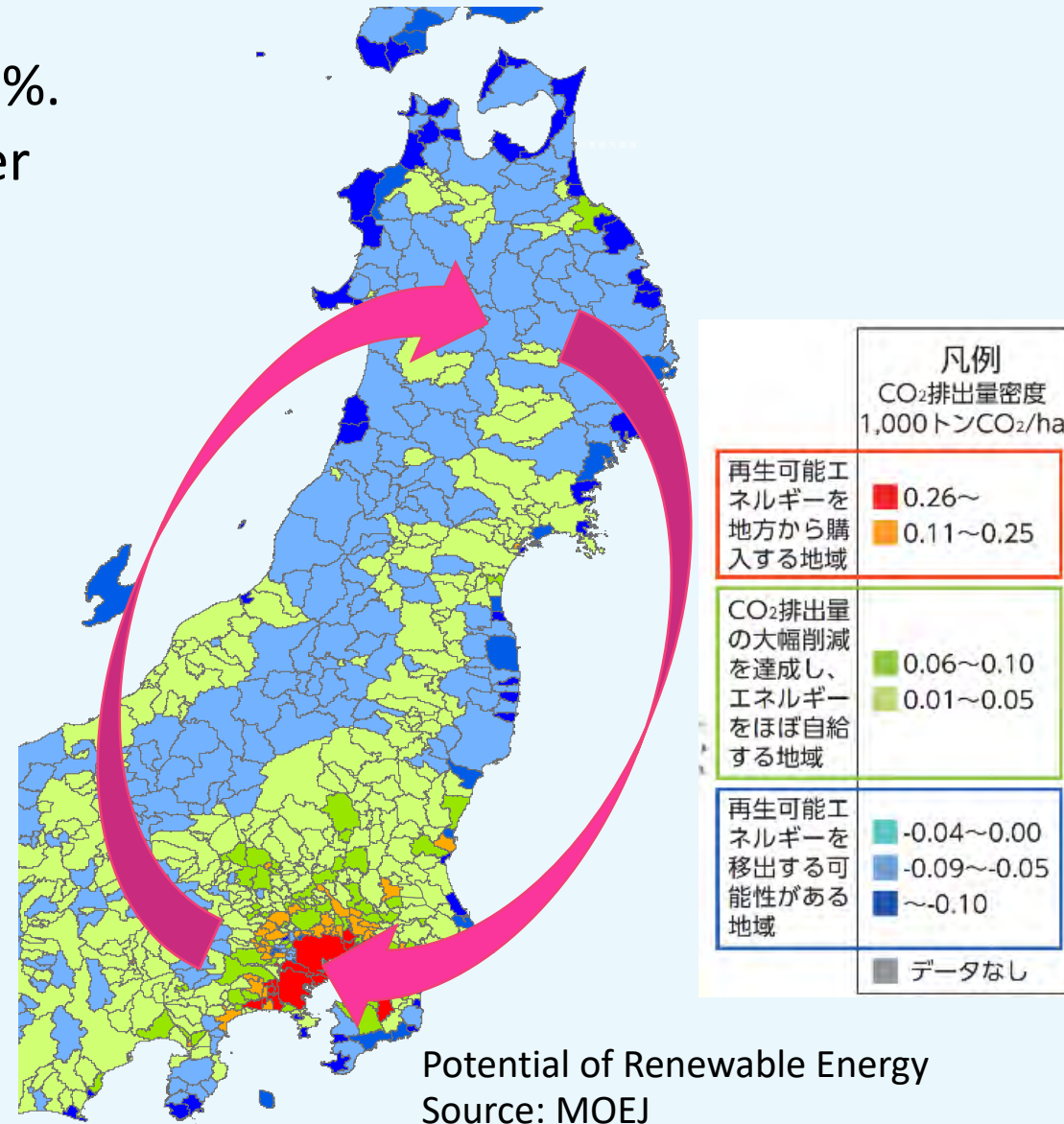
⇒ At the same time as developing the city's power supply, supply from outside the city is essential.



■ Inter-regional cooperation centered on renewable energy

Supplying renewable energy to the city area in partnership with communities with abundant renewable energy.

Aiming to form a Regional Circular and Ecological Sphere through a virtuous cycle of the economy including renewable energy and environmental values through wide-area cooperation with Yokohama City.



Yokohama City's inter-regional cooperation efforts



- Start supplying electricity generated in Yokohama Town (Aomori) to Yokohama City, since 2019 Sep.5.
- October 29, as the **13th** local government, we signed a agreement with Happo Town in Akita Prefecture
- **24** offices in Yokohama City are buying electricity generated in Yokohama Town, Ichinohe Town, Happou Town. (2020 Nov.)

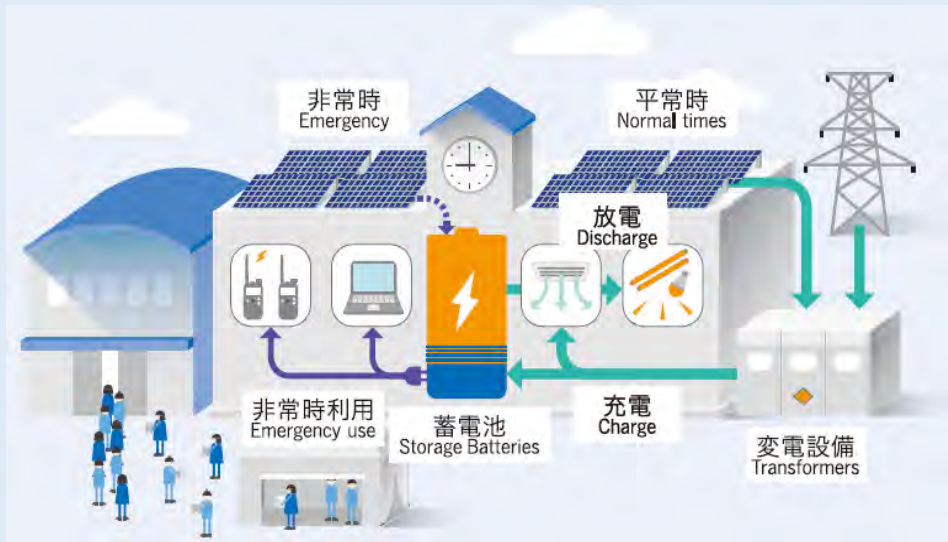


2010~2014 Demonstration

Collaborated with 34 of Japan's leading energy-related businesses, electric equipment manufacturers, and construction companies to introduce a system to optimize the balance of energy supply and demand in existing urban areas.

	HEMS	Solar Panels	Electric vehicles	CO2 emissions reduction	CO2 reduction rate
Introduction results	4,200 u.	37MW	2,300 u.	39,000 tons	29%
Introduction goals	4,000 u.	27MW	2,000 u.	30,000 tons	25%

2015~ Implementation

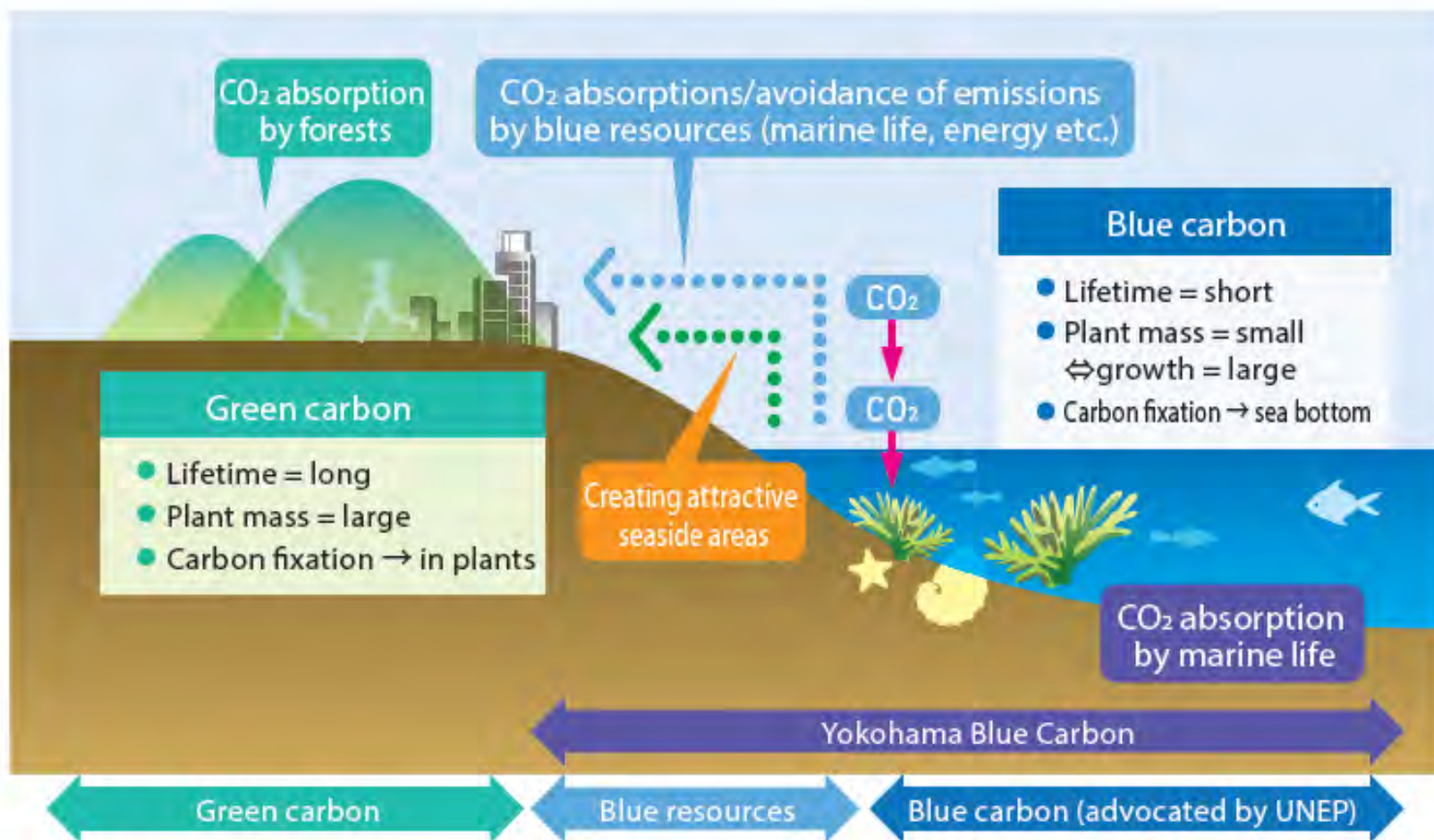


Established "Yokohama Smart Business Council (YSBA)", a new public-private partnership organization.

Aiming to become an energy-recycling city with excellent environmental, disaster-prevention and economic performance.

The project to build a virtual power plant (VPP) began in FY2016.

- Yokohama Blue Carbon Offset System
- Creating a friendly ocean

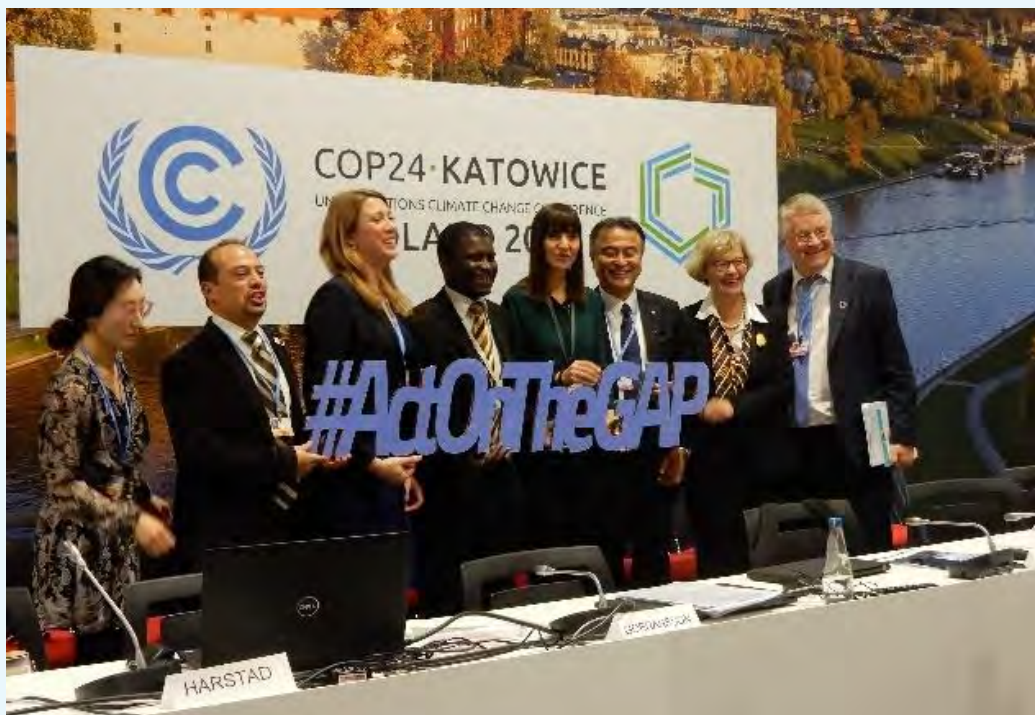


World Triathlon Yokohama



Harvesting wakame seaweed

International Cooperation



Exchange in IUC Project –Frankfurt am Main and Yokohama-



➤ **Period**

Nov 2017 to July 2019 (Submitted Action Plan)

➤ **Common Challenges**

- 1) Increasing renewable energy
- 2) Changing behavior of citizens and businesses for achieving the vision of each city.

Frankfurt am Main: Master Plan 100%

Yokohama : Zero Carbon Yokohama

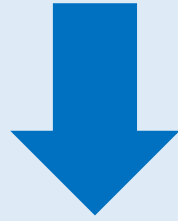


➤ **Topics:**

- 1) Renewable Energy (Cooperation with other Municipalities)
- 2) Raising Awareness Project using Nudge

■ A big blow to the city's economy

Significant reduction in city tax revenue, reduction in tourism and MICE, etc.



■ Strengthening measures against infectious diseases and realizing economic revitalization

Preparing a supplementary budget and promoting "living and economic measures"(610 billion yen).



Aiming for a long-term economic boom in the city after the cessation of operations, we will work on the recovery of tourism and MICE to ensure the sustainable development of Yokohama and the improvement of its international competitiveness.

Establishment of the “SDGs biz support fund”



Summary

- Implemented as an initiative toward the realization of SDGs and SDGs future city, Yokohama
- To support the challenges in solving local problems, the city will subsidize new initiatives that will help adapt to new ways of living and move forward into the future.
(Subsidy rate: within 1/2 of eligible expenses; subsidy limit: up to 2 million yen)



As an SDG FutureCity, we aim at achieving a
"virtuous cycle between the environment and the economy".



SDGs Future City Yokohama



Thank you for your attention

<http://www.city.yokohama.lg.jp/ondan/>



Zero Carbon
Yokohama



SUSTAINABLE
DEVELOPMENT GOALS

世界を変えるための17の目標