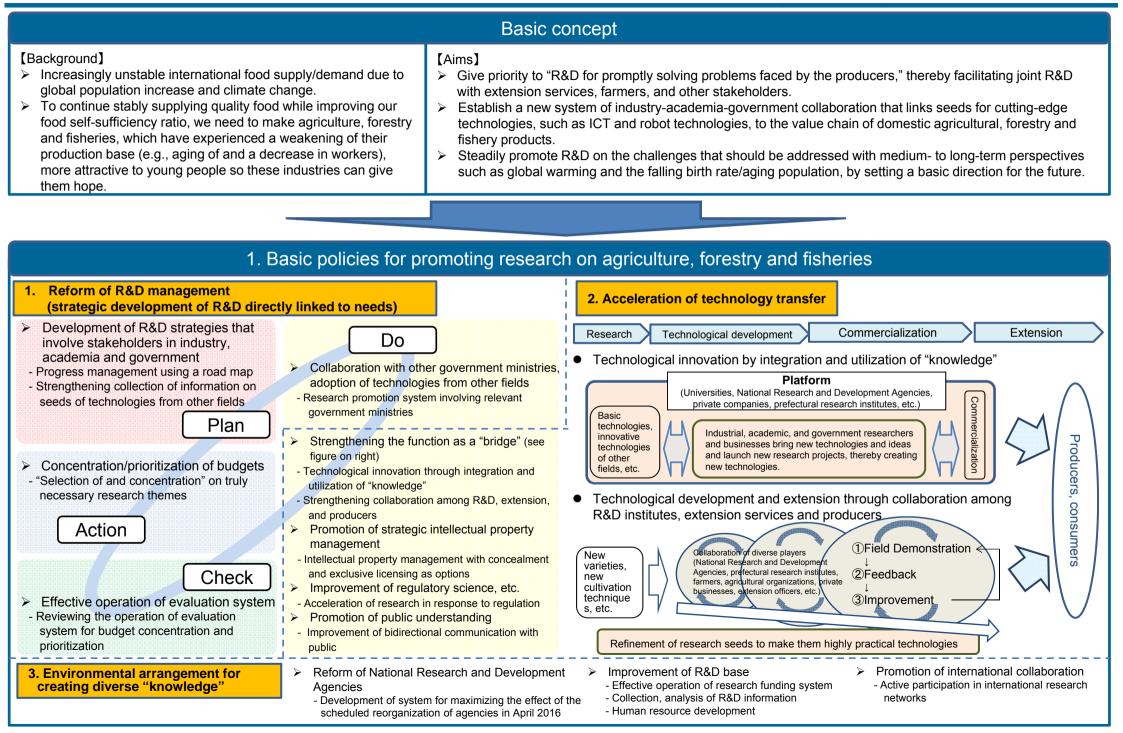
## Points of the New Basic Plan for Agriculture, Forestry and Fisheries Research

- Key R&D targets for the next 10 years and policies for realizing them -

March 31, 2015

Agriculture, Forestry and Fisheries Research Council, MAFF



2. Key targets of agriculture, forestry and fisheries research	
1. R&D for promptly solving problems faced by producers with the aim of increasing income in agriculture, forestry, fisheries and rural communities	
<ul> <li>Set 21 key targets for realizing models of efficient and stable farming in the areas identified in "Prospect of farming" and for promptly solving production and distribution problems in different fields/items.</li> <li>Develop and achieve the practical use of new technologies in the next five years or so, then promptly introducing them to production.</li> </ul>	
O Establishment of a highly profitable paddy farming system for different local conditions	Swine and poultry O Establishment of swine and poultry farming models to make the maximum use of domestic feed ingredients
Paddy fields in mountainous areas	Sustainable agriculture
O Establishment of a sustainable paddy farming system in hilly and mountainous areas using local strengths	O Development of techniques that strike a balance between production efficiency and environmental
Upland farming in Hokkaido O Establishment of upland farming system for Hokkaido region that allows scale expansion and highly	conservation, and visualization of their benefits Forests and forestry
productive farming	O Advancement of technologies for forestry utilization and development of new demands for forestry products
Upland farming in Southern Kyushu and Okinawa	Fisheries
O Establishment of a highly profitable upland farming system in Southern Kyushu and Okinawa	O Technological development for realizing attractive fisheries and aquaculture
Теа	AFFrinnovation*
O Increase in tea demands through joint product development with tea companies, and establishment of	O Technological development for AFFrinnovation contributing to local employment and income growth
efficient farming system	Promotion of export
Vegetables	O Development of export-related technologies for supporting the realization of country-by-country and item-by-
O Establishment of a low-cost production and distribution system for vegetables to meet demands for	item export strategy for agriculture, forestry and fishery products
processing uses and food businesses	Food safety, pests and disease control in animals and plants
Greenhouse horticulture	O Development of techniques to improve food safety and to control pests and diseases in animals and plants
O Development of models of next generation greenhouse horticulture, realizing energy and labor-saving	Agricultural and rural infrastructures
technologies and high yield	O Development of efficient farm water management technologies, effective technologies for maintenance and
Fruit trees	management of agricultural and rural infrastructure, and information system for natural disasters prevention
O Development of labor-saving and fast orchard establishment techniques for high-quality fruits that support	and reduction for rural areas
orchard scale expansion	Prevention of damage due to wildlife
Flowers	O Establishment of effective and efficient damage control techniques according to wildlife characteristics
O Development of techniques to breed various flower varieties and to preserve quality during transportation	The Great East Japan Earthquake
Dairy cows	O Solutions to technical problems hampering the resumption of farming and forestry work of the affected
O Establishment of dairy farming system, allowing labor-saving and precision livestock farming	farming or forestry households and fishery operation of the affected fishery households
Beef cattle	* AFFrinnovation: Agrinnovation, Forestrinnovation, and Fisherinnovation. Adding value to agricultural, forestry, and fishery
O Establishment of efficient breeding and fattening system for beef cattle based on self-supplying forage	products in innovative ways, by making new combinations, and creating a value chain.
2. R&D to be steadily promoted under medium- to long-term strategy	
> Set 11 priority targets under the six basic directions for agriculture, forestry and fisheries research for problems that require medium- to long-term perspectives; e.g., global	
warming and changes in consumption trends associated with the falling birth rate/aging population.	
R&D strategy for key R&D themes to be developed with a consultation of relevant parties and outside experts.	
Stably supplying safe and reliable food, thereby contributing to the health and longevity of people.	Promoting sustainability and stability of agriculture, forestry and fisheries.
O Thorough safety management from production to table, and development of techniques to protect animals	O Development of agriculture, forestry and fishery adaptive techniques in response to climate change
and plants from the introduction and spread of pests and diseases	O Improvement of prevention techniques for plant pests and infectious diseases of livestock
O Technological development for supplying nutritional and functional agriculture, forestry and fishery products that support healthy and long-living society	O Establishment of a recycling-oriented sustainable agriculture, forestry and fishery system
	O Development of technologies for sustainably maintaining, utilizing and managing rural infrastructure and
Innovating a production and distribution system in agriculture, forestry and fisheries, thereby drastically cu tting costs.	forests by maximizing the multifunctional roles of rural areas
O Technological development for innovating agriculture, forestry and fishery production/distribution	O Development of marine ecosystem-friendly fishery technologies that support sustainable use of marine
Creating new industries and employment in rural areas.	resources
O Technological development for creating new industries using local resources	Addressing global food and environmental challenges, thereby contributing to the international society. O International research in response to global challenges such as climate change and stable food production
Improving yield/quality of agriculture, forestry and fishery products, building on existing strengths.	
O Development of world-class agriculture, forestry and fishery products	in developing countries