# **ESG Presentation**

March 13, 2018

IR Department
Corporate Management Division
KDDI Corporation

### **Agenda & Time Schedule**

Time	Agenda	Person in charge	
9:30	Introduction	Keita Horii, IR Department	
9:35	[Overview] Basic concept and policy of ESG	Akira Dobashi, Executive Officer, CSR Environment Sustainability General Manager, General Administration & Human Resources Division	
9:40 Presentations (10-15 minutes each)	[Environment] Efforts for Regional Revitalization: Smart Fishery and Community Vitalization (P.2)	· · · · · · · · · · · · · · · · · · ·	
	[Social] Creating a Safe and Secure Information and Communications Society (P.24)	Kentaro Toriumi, General Manager, General Administration Department, CSR & Environment Management Department	
	[Social] KDDI's Promotion of Female Employee Activities (P.36)	Hideyo Mase, General Manager, Human Resources Department, D&I Department	
	[Governance] Corporate Governance of KDDI (P.48)	Minoru Tanaka, General Manager, General Administration Department	
10:40 (45 min)	Q&A Session	All the presenters	1

### **Environment**

# <Document 1> Efforts for Regional Revitalization: Smart Fishery and Community Vitalization

March 13, 2018

**KDDI Corporation** 

**Local Development Support Office** 

**Business IoT Promotion Division** 

**General Manager: Hironori Abe** 



# Contents

- 1 Our Regional Revitalization Efforts
- Revitalizing the Community with Fishery IoT
  - Understanding Fish Ecology for Sustainable Fishery



# **Contents Our Regional Revitalization Efforts** Revitalizing the Community with Fishery IoT Understanding Fish Ecology for **Sustainable Fishery**



Regional Revitalization: Business where the community and enterprises work together for value creation

Accurately understand the characteristics of the applicable area

- Community circumstances and user needs
- Characteristics of and issues in local industries





Enable participation of regional organizations, residents, and administration

- Revitalization of local industries
- Provision of business-making knowhow and findings



Active use of ICT/IoT



### **Establish as regional businesses**

- Development of marketing network
- Establishment of a system that enables long-term business continuity







Regional Revitalization Support Office: Members experience on-site activities at disaster-struck areas





Higashi-Matsushima City Hall (Feb. 2013)



Reconstruction Agency (Apr. 2014)



<Launched>
Regional
Revitalization
Support Office

4/1/2017



<Launched>
Reconstruction
Support Office



Kamaishi City (Oct. 2012)



Sendai City (Sep. 2013)



Fukushima City (May 2015)



### Working on Solving Issues in Communities by Introducing ICT/IoT

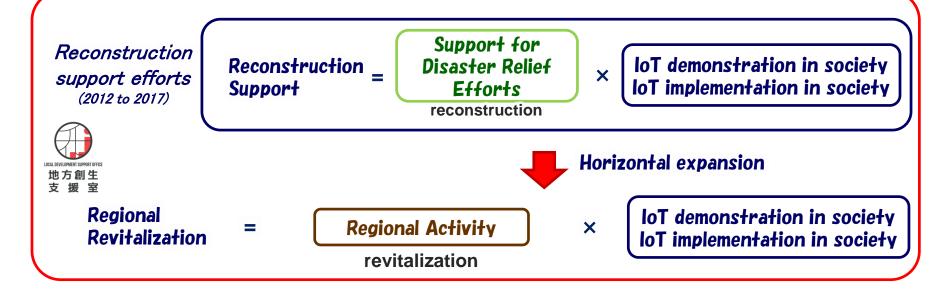


Issues that surfaced in disaster-struck areas



Issues that will surface nationwide in the near future











### Obama City used to have schools of mackerel flooding on its coast

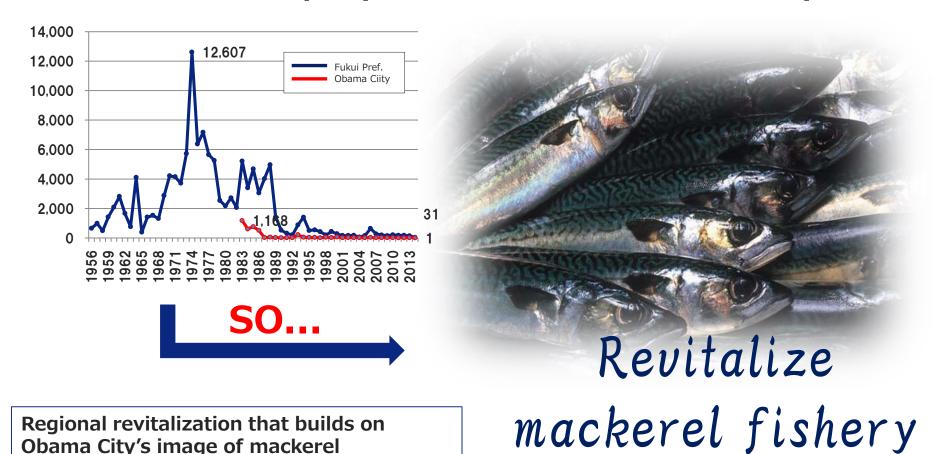








### Mackerel catch rapidly decreased over a mere 30 years





### "Revitalize Mackerel Fishery" Aquaculture Streamlining Project Leveraging ICT

### **Existing issues**

Production is low and does not ensure profitability for business.

Prevention of cultured mackerel mortality is dependent on fishermen's experience and intuition

Fish preserve management is a professional art of fishermen and has not been transformed into useful data

### **Direction of solutions**

Must expand production scale in order to ensure profitability

Identify the relationship between environmental aspects and feed amount in order to improve survival rate

Instruction manual for fish culture is necessary so that other fishery operators can work on culture

### **Specific measures**

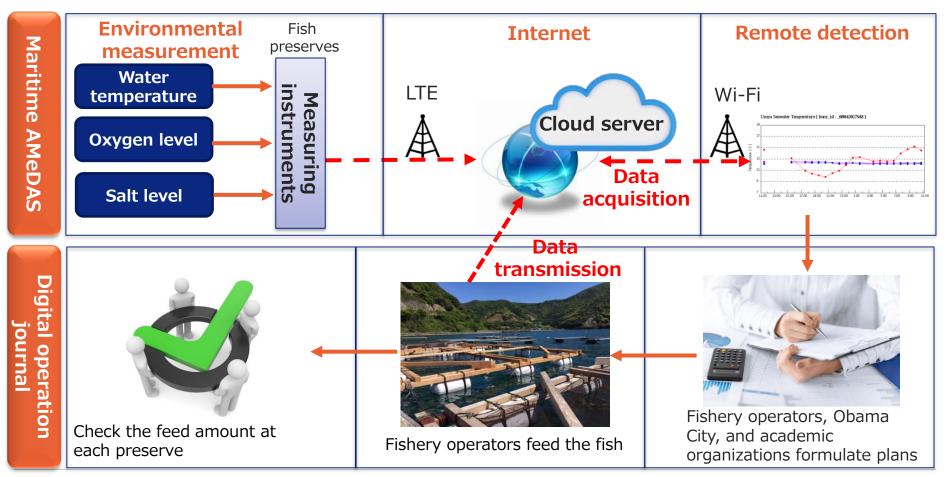
Introduction of cloud system that supports scale expansion

Introduction of the maritime version of AMeDAS for real-time measurements of water temperature, oxygen level, and salt level

Introduction of digital operation journal that digitally tracks feeding location, feed amount, and feeding time

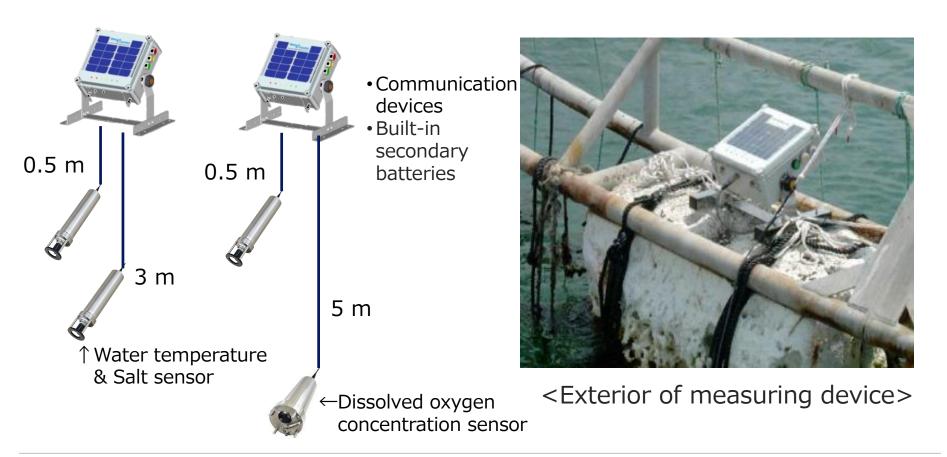


### Overall System for the "Revitalize Mackerel Fishery" Aquaculture Streamlining Project





### Function to be implemented (1): Maritime AMeDAS

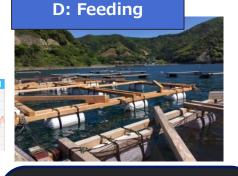




### Function to be implemented (2): Digital operation journal



Maritime **AMeDAS** Information utilization



amount

3 kg

2 kg

C: Record checking



Date Preserve Feed Notes amount No.13 kg Good Strong west No.2 2 kg wind

academic organizations formulate

Fishery operators and

and register plans.

Date Preserve Feed No.1 No.2 No.3

Fishery operators feed the fish as per plan. Register the data after feeding.

Notes

Strong west

Good

wind

Fish preserve 1

Date Notes Feed amount 3/3 3 kg Good 3/4 2 kg Strong west wind

Check the feed amount of each preserve. Reflect the information in next feeding plan.

A: Plan revision

Develop an operation manual after repeating plan revisions.



No.3





### Smart Fishery Model Business Utilizing Maritime Big Data in Higashi-matsushima

\* Adopted as the Ministry of Internal Affairs and Communications' IoT Service Creation Support Project for FY2015 supplementary budgets

### **Business Overview**

### (1) Fishing model

Efficient fishing by predicting catch in set-net fishing

⇒ Data-based sailing decision

### (2) Retailing model

Stable fish prices by diversifying retail

⇒ Direct delivery of freshly fished seafood

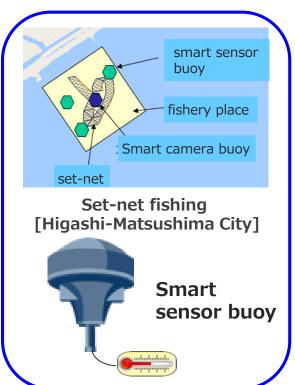
### **Place of implementation**

Off the coast of Hamaichi, Higashi-Matsushima, Miyagi Prefecture

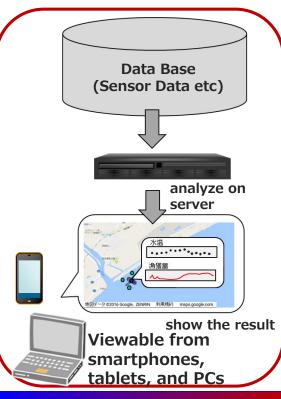


Demonstrating the new efficient fishery model that uses maritime big data with set-net fishing

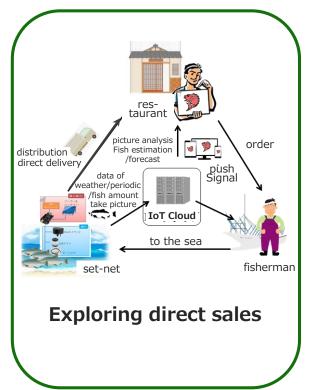
#### **Data collection**



### **Data analysis**



### **Business operation**

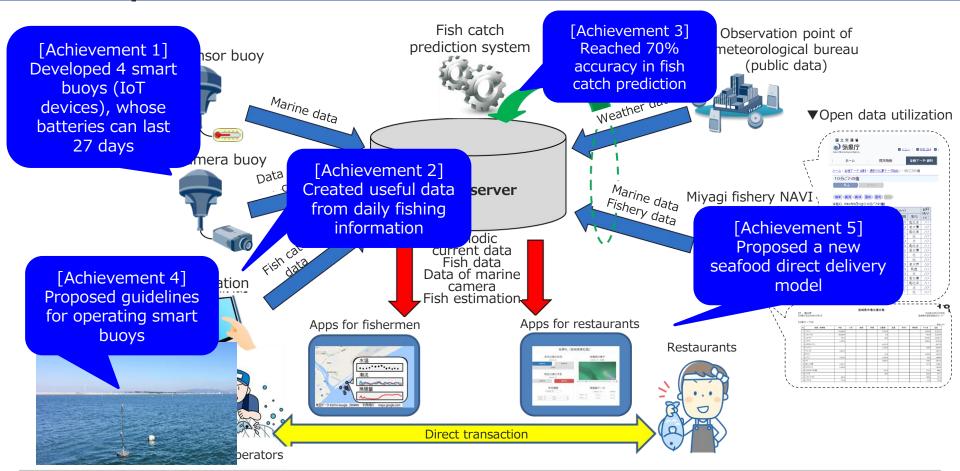


### **Make fishery more efficient**

**Diversify retail** 



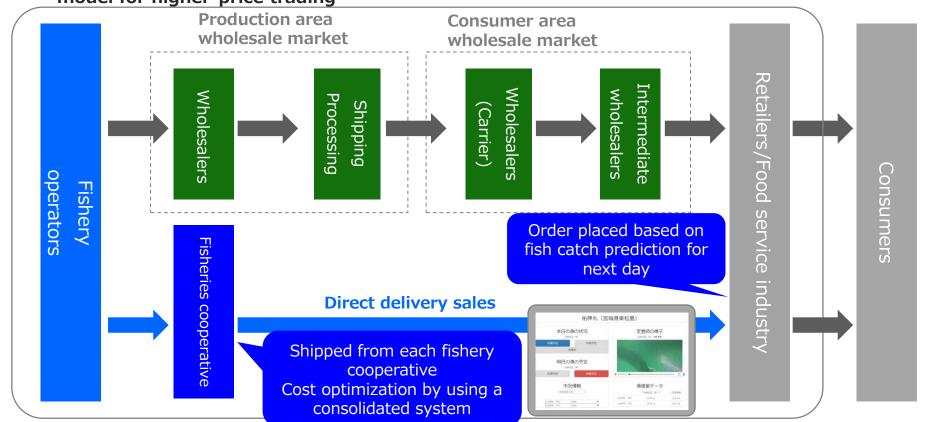
### **Developed Reference Model**





### Retail model proposal: A new seafood direct delivery model with fisheries cooperative as hubs

A combined establishment of existing distribution for mass fish sales and direct delivery model for higher-price trading



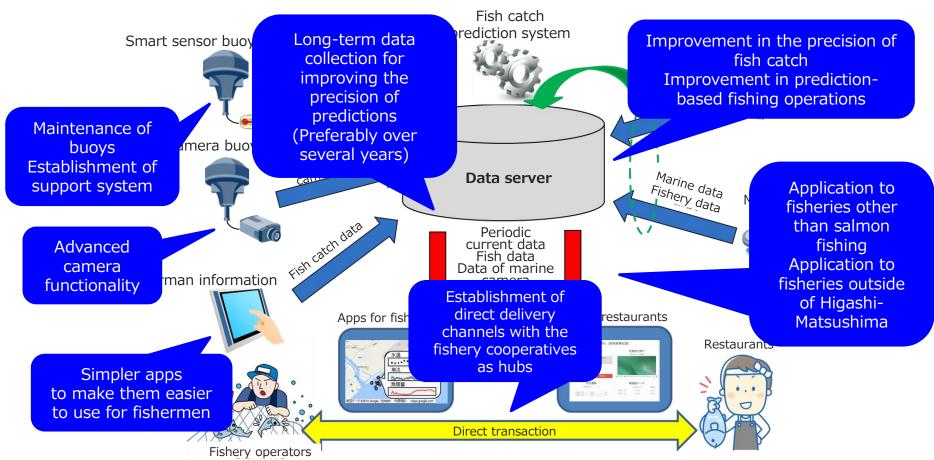


### Identified Regional Issues Regarding the Sustainability of Fishing Activities

**▼**Prediction/Estimation-**▼**Device-related issues **▼**Distribution-related related issues issues Longer lasting batteries **Product** Fish catch prediction for buoys dispatching operations Unexpected good catch User-friendly UI Stable fish supply /Detection of poor catch Inexpensive use of **Buoy operation** Good catch, maintenance poor pricing sensors



### Technical issues that need to be resolved for further development and application of smart fishery







### Social

# <Document 2> Creating a Safe and Secure Information and Communications Society

March 13, 2018

**KDDI** Corporation

**CSR & Environment Management Department** 

**General Administration Department** 

**General Manager: Kentaro Toriumi** 



### KDDI's Material Issues for CSR

### **Material Issue 1**

Creating a Safe and Secure Information and Communications Society

### **Material Issue 3**

**Initiatives to Conserve the Global Environment** 

### Material Issue 2

Offering Reliable
Information and
Communications Services

### **Material Issue 4**

Vitalizing the Company by Developing a Diverse Workforce

KDDI has identified material issues for CSR as priority tasks to be addressed. Among the numerous issues we face in relation to our businesses, we identified those of highest concern to society and initiatives that we need to focus on to achieve sustainable growth together with society.



### Initiatives Aims at the Younger Generation

Actions of New Edification along with Social Change

Increase of Smartphone Users

Lowering Age in Smartphone Use

ICT
Conversion
in Education

**Prevention & Prohibition** 

Usage methods that avoid encountering problems

**Proper Use** 

Application and utilization that benefit life/people/society

Educate in 
"Prevention & 
Prohibition"



Education in Proper use to benefit life/people/society



### **KDDI Smartphone and Mobile Phone Safety Classes (for school students)**

Classes for younger generations that help them gain the ability to avoid risks by teaching them rules and manners, and introducing real cases of trouble and accidents



Certified KDDI instructors visit schools nationwide, free of charge

From launch in FY2005,
Total classes held:
Over 20 thousands
Total people attended:
Over 3.7 million
(as of March 2017)

### **KDDI Smartphone and Mobile Phone Safety Classes (for school students)**

- **1** Utilization of movies based on real cases of trouble
- •Make children think about what if such trouble happened to themselves
- ·Revision of class themes in accordance with the newest situation



### **2** Customization of teaching materials

- Elaborate preparations with the schools beforehand
- ·Various themes available depending on situation of areas and each school

Dependence to games

Personal information

Posting to internet

Impersonation etc



### **KDDI Smartphone and Mobile Phone Safety Classes (for school students)**

Various teaching materials that match the level of attendee

- 1 Beginners Level (for lower-grade level elementary school students)
  - 3 Advanced Level
    (for middle school to high school students)

- 2 Intermediate Level (for mid- to upper-grade level school students)
  - **4 For Teachers and Parents**

Case studies of possible trouble through movies



Teaching material to make children think about the problems by themselves



# DVD materials also available for rent

[Contents]

- 1) Slides with class scenarios
- ②Video of model class by delivery lecture instructors



### "Disaster Preparedness Literacy by Smartphone"

Released on September 7, 2017 New workshop style delivery lecture program, "Disaster Preparedness Literacy by Smartphone"

### Telecommunications= Lifeline

Maximize telecommunications at times of disaster

# Information Literacy

Rule & manners of contact/collection of information via SNS

# Disaster Prevent Education

To help and prepare each other through information utilization





### "Disaster Preparedness Literacy by Smartphone"

A workshop style delivery lecture using smartphones, in which participants use a dedicated application to gather information of a disaster and identify a safe route/place to escape based on the assumption that a huge disaster has occurred

- 1 Education of information literacy
- To become aware of the difference between faceto-face and text-based communication and become aware of what to notice when sending and receiving information.
- 2 Education of disaster preparedness
  To become aware of the importance of self-help
  and mutual help, information necessary during a
  disaster, and so on, through disaster simulations.





### "Literacy on Disaster Prevention Using Smartphone"

### **Achievement (FY2017)**

# Conducted at 5 schools and to be delivered at 1 school

Sep 7

**Hyogo Nishinomiya Minami High School (1)** 

Jan 11

**Kyoritsu Women's Junior and High School** 

**Jan 18** 

**Hyogo Nishinomiya Minami High School (2)** 

**Jan 30** 

Ishikawa Nada High School (1)(2)

Feb 10

Edogawa Women's High School (1)(2)

**Feb 20** 

Yamanashi Chuo High School (1)(2)

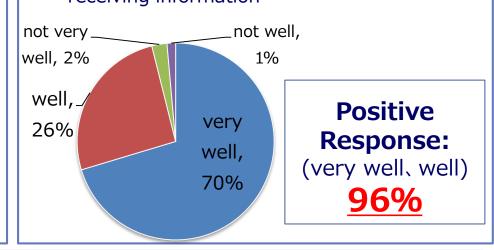
**Mar 15** 

Ishikawa Kanazawa Koyo High School

### **Evaluation of the attendees**

### **Questionnaire to the participants**

- ①Importance of sending and receiving appropriate information at times of disaster
- ②Importance of self-help and mutual help
- Necessity of using care when sending and receiving information





### **KDDI Smartphone & Mobile phone Safety Class (for Seniors)**

Classes targeting people up to 70 years old to teach safe and secure use of smartphones and tablets by using actual devices



KDDI certified instructors conduct class as education for consumers, in cooperation with local government nationwide

From launch in FY2012:
Total number of classes: Over 800
Total number of attendees:
Over 16 thousand (as of March 2017)

### KDDI Smartphone & Mobile phone Safety Class (for Elderly)

### Choices to match needs of attendees

**1**Smartphone course

- **2 Tablet course**
- **3 Disaster preparedness** study course
- OProject on-screen how the instructor uses the device
- Instructor projects smartphone/tablet operations on a screen and attendees mimic the instructor's movements
- Attendees get a feel from basic operations to entering text, internet, and application usage
- Attendees learn safe & secure use as well as useful apps in case of emergencies or disasters



# KDDI will contribute to the Development of a Society with Rich Communications going forward.



#### Social

# **Control of Female Employee Activities**

March 13, 2018

**KDDI Corporation** 

**Diversity & Inclusion Department** 

**Human Resources Department** 

**General Manager: Hideyo Mase** 



## **D&I Section's Mission**

To promote the improvement of employees' capacities by means of supporting a diverse pool of human resources and work-life management

# **Diverse human resources**

Female employees People with disabilities

Seniors Foreigners

LGBT

# Work styles

**Work style reform** 

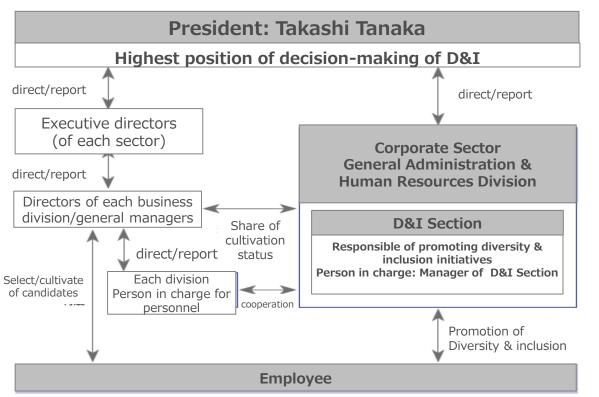
Support for balancing work with childcare and elderly care



## **D&I Section's Promotion Structure**

A dedicated organization was established under the Human Resources Department in April 2008

#### Framework of promotion of diversity & inclusion in KDDI





Symbol mark of D&I chosen by internally advertised idea



# **External Recognition**



SHIPS Consecutive year Selected as NADESHIKO BRAND for the fifth



**Selected the New Diversity Management Selection 100 Project by METI** 



Selected Top Hundred Telework Pioneers by MIC



**NPO J-Win** 2015 J-Win Diversity Award Grand Prize



Accessibility Consortium of Enterprises (ACE) 2014 ACE Award Grand Prix

# **History of D&I Promotional Efforts**

#### 2005-Early years

#### 2007-Development phase

#### 2011-Expansion phase

#### 2015-Advanced phase

- Opened an internal website for the promotion of female employment and business activities
- Added a curriculum for promoting female activities to officer and managerial training
- Revised the internal system to comply with the amended the Child Care and Family Care Leave Act
- Launched a teleworking trial program

- Inaugurated Win-K, a project promoting the professional advancement of women under the direct control of the president
- Established the Diversity Section
- Extended the period of reduced work hours for childcare and launched the child nursing care leave
- Established Special subsidiary "KDDI Challenged"
- Participated in ACE

- Appointed women to the position of officers' assistants
- Launched the Ladies Initiative Program (LIP -Women's Line Manager Appointment Program)
- Participated in Eikare (Project for the Advancement of Female Marketing Representatives in Different Industries)
- Increased the number of employed foreign graduates
- ■Increased the number of employed people with mental illness
- Catering to LGBT needs

- Launched the Josei Linecho Program (JLP – Female Line Manager Program)
- Introduced the Work Interval System
- Expanded the promotion of LGBT and foreign employees' employment and business activities
- Started the promotion of work style reform



# **Promotion of Female Employee Activities**

# Increase female voices in management decision making

Appoint women to the position of officers' assistants



Active involvement drawing on experience as officer's assistant



Female line manager program



Increase in the number of female line managers





#### Officer's Assistant

Appoint a male and female employee as assistant to each of the 6 officers, including the president, for a term of one year

Learn how the discussions among and the decision formulation process of the management works and cultivate a company-wide, medium to long term view

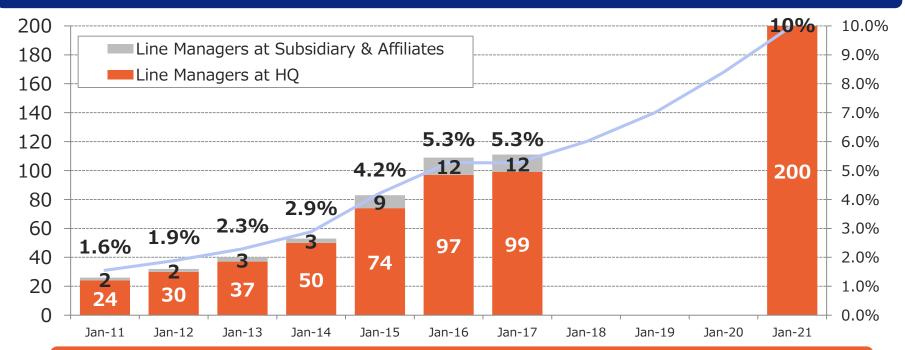
- Accompany the officers at internal meetings
   Learn about the discussions of the management and the
   company's decision-making process
- Check the progress of projects in advance and prepare documents
- Interview on site concerning management issues





#### Increase in the Number of Female Leaders and the Next Goal

#### Attained the goal: Appoint 90 female employees to line managers in FY2015



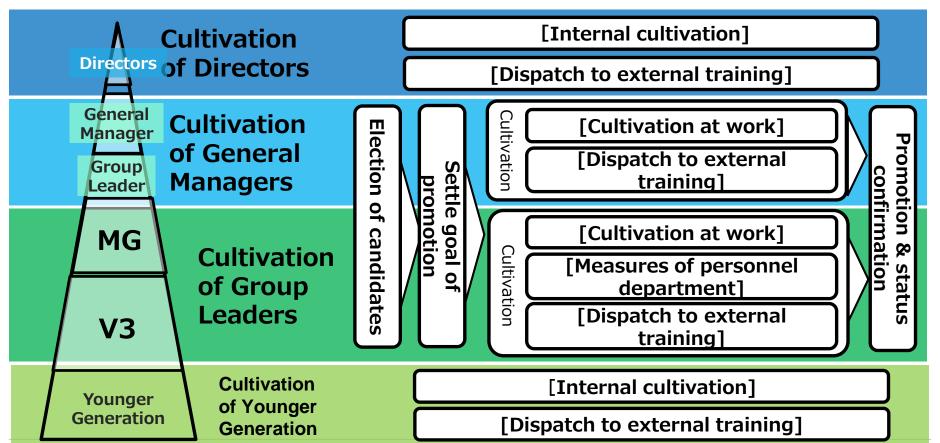
New goal: Appoint 200 female employees to line managers by FY2020

Launched the Josei Linecho Program (JLP – Female Line Manager Program) in FY2016



# **New Line Manager Program: JLP**

Aimed at cultivating female leadership roles at different levels via pipelined development process





# Josei Linecho Program (JLP)

- Commenced in FY2012, Female employees recommended by General Managers are individually mentored and managed
- All General Managers and Human Resources Department discuss twice a year the status of cultivation and appointment

#### Workplace

# Commit to cultivation of candidates through mentorship

- Each General Manager selects and supports candidates as mentor and manager
- Conduct planned cultivation and progress management through formulating a cultivation plan



#### **Human Resources Department**

# Build the candidates' mindsets' and help with networking

- Internal group training
- Dispatch candidates to external training
- Establish internal role models and help with candidates' networking



## Changes in mindset after training

No desire to become line manager ⇒ Motivation developed: 84% No desire to take management position ⇒ Motivation developed: 92%

# Mindset after appointment

74% of line managers and 87% in management positions gave positive feedback

#### **Career development awareness**

Line managers aiming for manager or higher position: 44% Managerial staff aiming for GL or higher position: 82% (Manager or higher position: 44%)



# Young Female Career Design Seminar

Provide an opportunity for women under the age of 30 to review their current situation, taking into account life events, in order to develop a career vision integrating work and private life





#### Governance

# <Document 4> Corporate Governance of KDDI

March 13, 2018

**KDDI** Corporation

**General Administration Department** 

**General Administration & Human Resources Division** 

**General Manager: Minoru Tanaka** 



## **Contents**

1 Basic View

**2** Efforts for Outside Directors to Effectively Function

3 Near-future Efforts



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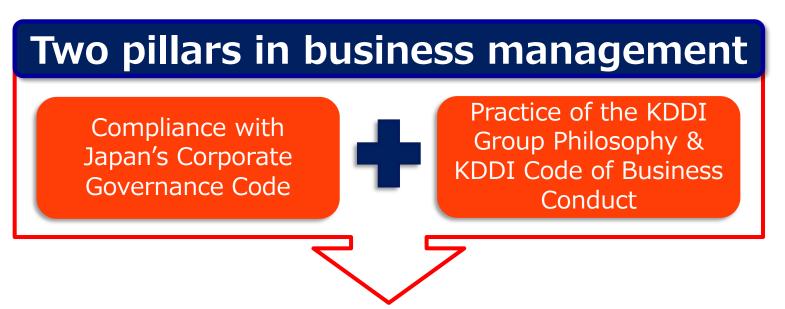
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# Views on Corporate Governance



Sustainable growth Increase of corporate value over the medium to long term.



## **Contents**

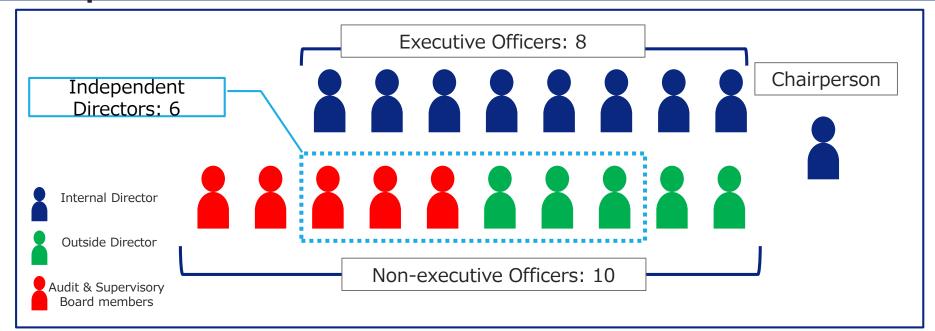
1 Basic View

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# **Composition of the Board of Directors**



#### **Reference: Business Management Report**

- A "business management report" independent of the quarterly financial reports is made every 3 months.
- The management situation and key topics in all corporate segments are covered in addition to those of business divisions.
  - → Not only board resolutions, but group-wide management situations are shared with outside directors and outside Audit & Supervisory Board members as necessary



# The Diversity of Outside Directors and Outside Audit & Supervisory Board members Outside directors and outside Audit & Supervisory Board members with

rich experience in different fields provide KDDI with diverse perspectives. Position in KDDI Name Field of expertise Goro Yamaguchi Outside Director Corporate management Outside Director Nobuyori Kodaira Outside Director Corporate management Administrative and corporate Shinji Fukukawa Outside Director, Independent Director management Kuniko Tanabe Outside Director, Independent Director Registered as attorney at law Information engineering, ICT, Yoshiaki Nemoto Outside Director, Independent Director disaster preparedness Outside Audit & Supervisory Board Member, Finance & Accounting (certified Supervisory oard members Kakuji Takano Independent Director public accountant) Outside Audit & Supervisory Board Member, Nobuaki Kato Corporate management Independent Director Outside Audit & Supervisory Board Member



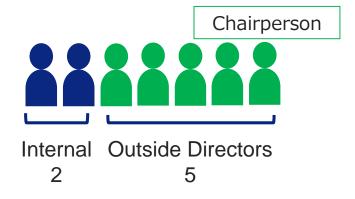
Akira Yamashita

Administration & Regulations

#### **Arbitrary Nomination Committee and Remuneration Advisory Committee**

■ KDDI establishes a Nomination Advisory Committee and a Remuneration Advisory Committee as advisory committees for the Board of Directors.







- An outside director chairs these advisory committees and over half of the members of each committee are outside directors.
- Reviews by outside directors ensure transparency for investors and other stakeholders.



# Sharing Information with Outside Directors and Outside Audit & Supervisory Board Members

- Promote active information sharing and opinion exchange through periodic meetings in addition to board meetings
- > Liaison meeting with outside directors
  - To facilitate coordination, hold monthly meetings with the primary members being outside directors
  - Group participants into management, Audit & Supervisory Board members, and part-time Audit & Supervisory Board members to promote information sharing within the groups and among all outside directors
- > Liaison meeting with part-time Audit & Supervisory Board members
  - Set up periodic meetings with part-time Audit & Supervisory Board members and representative directors
  - Exchange opinions over an extensive range of topics in order to deepen mutual recognition with representative directors
- > Sharing R&D information
  - Introduce the R&D Results Publication by the Technology Division and KDDI Research Inc.
  - Introduce the industry's front-line technology development and research activities



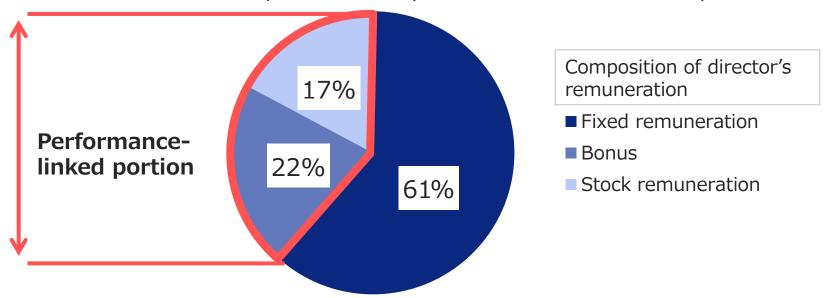
# **Evaluation of the Effectiveness of the Board of Directors**

- Review the effects of activities and work on discovering points that need improvement through self-evaluation by directors and Audit & Supervisory Board members
   [Key evaluation items]
  - Operation of the Board of Directors (including composition, documentation and explanations, provision of information, etc.)
  - Management supervision (including conflicts of interest, risk management, and management of subsidiaries, etc.)
  - Medium to long term discussions (examination in medium-term management planning, monitoring of plan execution, etc.)
- Ensure improvements in points of issue that surfaced as a result of previous-term evaluation: the need to discuss long-term business prospects as well as strategies, including policies to respond to changes in business environment, and expansion of information sharing with outside directors and outside Audit & Supervisory Board members
- Matters that received high ratings in evaluation of this term
  - Discussions were held from wide-ranging, diversified viewpoints, involving outside directors and outside Audit & Supervisory Board members with extensive experience in different fields.
  - > Speech time is sufficiently ensured for outside directors and outside Audit & Supervisory Board members so as to give due weight to their opinions and questions.



# **Incentives for Increase of Corporate Value**

 Started the performance-linked stock remuneration plan in 2015 with the aim to improve correspondence with business performance



 Same remuneration plan is applied to managerial employees to share common incentives among executives and employees for increased corporate value



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#### **Near-future Efforts**

- Promote coordination between outside directors, Audit & Supervisory Board members, and accounting auditors
- Enrich the discussions on medium to long term business strategies
  - Discuss next term's medium-term management plan with all board members, including outside directors and Audit & Supervisory Board members
  - Have multiple discussions prior to announcement, and formulate medium to long term growth strategies and management policy, drawing on the expertise of outside directors

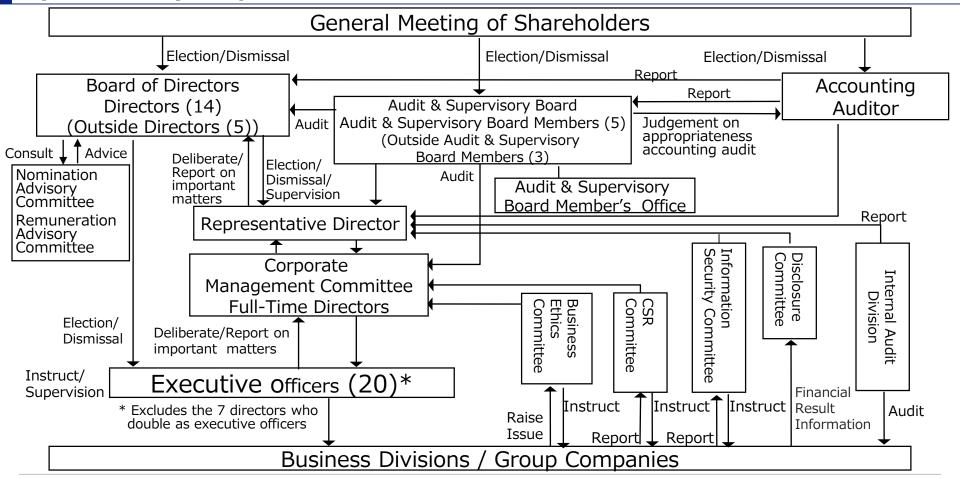


# **Implementation of**

- Sustainable growth
- Increase of corporate value over the medium to long term



#### (Reference) Corporate Governance Framework





# Designing The Future

