OECD Conference on the Financial Management of Flood Risk

Building financial resilience in a changing climate

PRESENTATIONS – SESSION 2

12-13 May 2016 Paris, France





 Content About The Netherlands History Delta Act 2012 New flood risk policy Cost-benefit analysis Delta Fund Public awareness Recent experiences Conclusions 	

Ministry of Infrastructure and the Environment









3









感

New flood risk standards



Risk-based approach:

the new standards take into account:

- the risk of flooding
- the possible impact

Goals for 2050

- 1. Basic protection level for everyone
- 2. Prevent (as much as possible) large groups of casualties and major economic damage
- 3. Prevent failure of vulnerable functions with national consequences







7

遂			
Relative contribution of measures in terms of costs (2016) Investments • Flood Protection Programme	307	million	(35%)
 Programme Room for the River Other projects flood protection Study costs Incentive Programme for Spatial Adaptation Public awareness 		million million million million million	(26%) (13%) (1%) (0,3%) (0,1%)
Operation and Maintenance		million	(24%)
TOTAL	870	million	(100%)









Managing Flood Risk - Lessons and suggestions from Japan -Kenzo Hiroki Vice President College of Land, Infrastructure, Tourism and Transport (CLITT)













What we have achieved; and What we have not in national efforts of flood risk reduction

























Turning paradigm shift into reality











Lessons learned (continued)

- Best mix of prevention, preparedness and transfer for disaster management depends on diverse geographical, social, and financial situation of countries and communities. Step-by-step improvement learning from past disasters is shortest cut towards better disaster management.
- Transfer such as insurance is a good way for individuals and organizations to avoid "financial catastrophe" after disasters. However, transfer, per se, does not reduce disaster risks, particularly from national perspectives..
 Examine geographical, social, and financial situation of country/community before deciding the best mix.
 Geographical situation is particularly important to decide best mix for flood management.

- Beware that disaster management requires years of unfailing commitment and implementation -
- Legal foundation (i.e. a system of laws for disaster management) that enables long-term planning, financing and implementation
- Budgetary system resilient enough to allow for stand-by budget line for " rainy days"
- In-house group of financial, legal and technical officials with good governance that can turn money into actual safety against disasters.
- Public consensus that disaster investment pays off
- Leaders' awareness that good disaster management is prerequisite for political survival

Thank you

Productivity Commission

3

Expenditure for 2009-10 to 2012-13

Managing government assets

- Principle that asset ownership should align with responsibility for managing and funding risk also applies to governments
- Across levels of government, the principle of subsiduarity applies
- Report recommended:
 - Treat natural disaster risks transparently in budgets
 ... Some base level of provisioning is needed
 - Reduce Aust. Govt. post-disaster support to states
 - Increase Aust. Govt. support for mitigation
 - Move away from reimbursement model for cost sharing
 - Establish accountability frameworks that give states more autonomy for natural disaster risk management

7

... Compile asset registers and develop long-term asset management plans

Productivity Commission

Flood Risk And Sovereign Ratings Paris, May. 12, 2016

Moritz Kraemer Global Chief Ratings Officer Sovereign Ratings moritz.kraemer@spglobal.com

Copyright © 2016 by S&P Global. All rights reserved. Sources for all data: S&P <u>Global Ratings</u>

Copyright © 2016 by Standard & Poor's Financial Services LLC. All rights reserved.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereol (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or trefrieval system, without the prior winther permission of Standard & Poor's Financial Services LLC or its affiliates (collectively, S&P). The Content shall not be used for any unlawful or unauthorized purposes. S&P and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively, S&P). The Content shall not be used for any unlawful or unauthorized purposes. S&P and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively, S&P). The Content shall not be used for counter, or any altability or maintenance of any data input by the user. The Content is provided on an "as is" basis. S&P PARTIES DISCLAM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS. THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED CONTENT SUBJ. Software or Others of analyses, or appearation, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profils or any due to into the or content or advised of the possibility of sub damages.

Credit-related and other analyses, including ratings, and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact. S&P's opinions, analyses and rating acknowledgment decisions (described below) are not recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the stability of any security. S&P assumes no obligation to update the Content following publication in any form or format. The Content should not be reliefed on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. S&P does not act as a fiduciary or an investment advisor except where registered as such. While S&P has obtained information from sources it believes to be reliable, S&P does not perform an audit and undertakes no duty of due diigence or independent verification of any information it receives.

To the extent that regulatory authorities allow a rating agency to acknowledge in one jurisdiction a rating issued in another jurisdiction for certain regulatory purposes, S&P reserves the right to assign, withdraw or suspend such acknowledgement at any time and in its sole discretion. S&P Parties disclaim any duty whatsoever arising out of the assignment, withdrawal or suspension of an acknowledgment as well as any liability for any damage alleged to have been suffered on account thereof.

S&P keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of S&P may have information that is not available to other S&P business units. S&P has established policies and procedures to maintain the comfidentiality of certain non-public information received in connection with each analytical process.

S&P may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P reserves the right to disseminate its opinions and analyses. S&P's public ratings and analyses are made available on its Web sites, www.standardandpoors.com (free of charge), and www.ratingsdirect.com and www.globalcreditportal.com (subscription), and may be distributed through other means, including via S&P publications and third-party redistributors. Additional information about our ratings fees is available at www.standardnoors.com/ustributions/ess.

Australia

Standard & Poor's (Australia) Pty. Ltd. holds Australian financial services license number 337565 under the Corporations Act 2001. Standard & Poor's credit ratings and related research are not intended for and must not be distributed to any person in Australia other than a wholesale client (as defined in Chapter 7 of the Corporations Act).

STANDARD & POOR'S, S&P and RATINGSDIRECT are registered trademarks of Standard & Poor's Financial Services LLC.

S&P Global

Ratings

Private & Confidential 11