UTILITALIA
imprese acqua ambiente energia

stadtwerke asm
BRIXEN | BRESSANONE

VERITAS

FESTIVAL dell'ACQUA

MUTAMENTI CLIMATICI E SCARSITÀ IDRICA: QUALI POLITICHE ADOTTARE

Chairman: **Roberto Zocchi**

wrc **European Business Director**

Associazione Idrotecnica Italiana **Segretario Generale**

Past Experiences

acea

EurEau

Global Risks Report Insights 2019

WORLD ECONOMIC FORUM

COMMITTED TO IMPROVING THE STATE OF THE WORLD

Top 10 risks in terms of

Likelihood

1. Extreme weather events
2. Failure of climate-change mitigation and adaptation
3. Natural disasters
4. Data fraud or theft
5. Cyber-attacks
6. Man-made environmental disasters
7. Large-scale involuntary migration
8. Biodiversity loss and ecosystem collapse
9. Water crises
10. Asset bubbles in a major economy

Top 10 risks in terms of

Impact

1. Weapons of mass destruction
2. Failure of climate-change mitigation and adaptation
3. Extreme weather events
4. Water crises
5. Natural disasters
6. Biodiversity loss and ecosystem collapse
7. Cyber-attacks
8. Critical information infrastructure breakdown
9. Man-made environmental disasters
10. Spread of infectious diseases

Categories

- Economic
- Environmental
- Geopolitical
- Societal
- Technological

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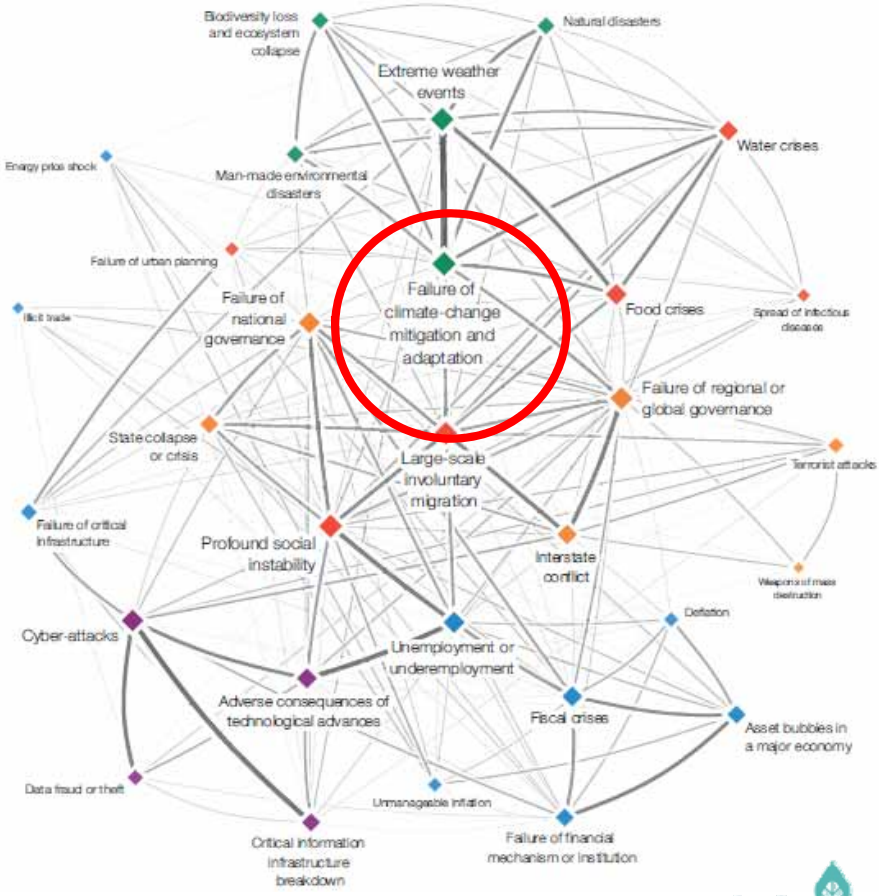
CLIMATE CHANGE



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RESILIENZA

"Le avversità possono essere delle formidabili occasioni"
–Thomas Mann

INFRASTRUTTURE – TEMPI DI REALIZZAZIONE
PROBLEMA DA AFFRONTARE CON DECISIONE

ORIZZONTE DI PIANIFICAZIONE - 5 anni – TROPPO POCO

REGOLAZIONE ECONOMICA / AMBIENTALE

La Regolazione locale (EGA)

La Legge Galli 36/1994 istituisce per la prima volta gli Enti di Governo dell'Ambito. Le Regioni hanno il compito di definirne numero e confini.

Gli Enti di Governo dell'Ambito erano oltre **90,** dopo le riforme ai sensi dell'art 147 dlgs n. 152/06 si sono ridotti a **62**

12

ATO unico Regionale
Abruzzo
Basilicata
Calabria
Campania
Emilia Romagna
Friuli Venezia Giulia
Molise
Puglia
Sardegna
Toscana
Umbria
Valle d'Aosta

50

ATO con dimensione inferiore ai confini Regionali	
Lazio	5
Liguria	5
Lombardia	12
Marche	5
Piemonte	6
Sicilia	9
Veneto	8

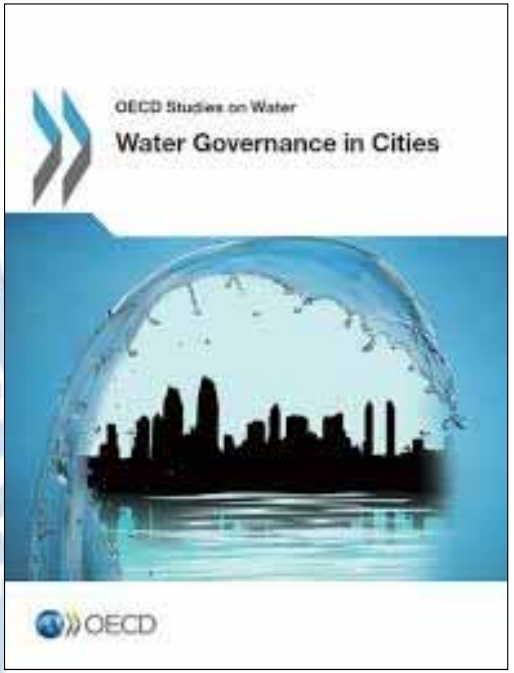
Fonte dati: Deliberazione 701/2018/Kir - Ottava relazione ai sensi dell'articolo 172, comma 3-bis, del decreto legislativo 152/2006, recante "norme in materia ambientale"

DISTRETTI IDROGRAFICI

INTEGRAZIONE?

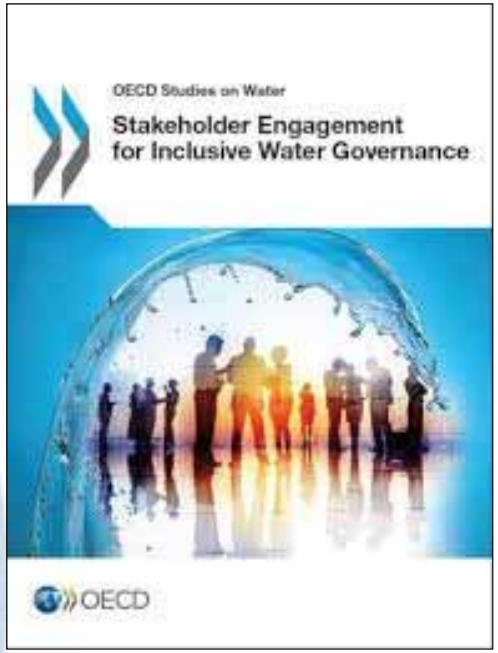
GESTIONI ORGANIZZATE

“Le città non possono affrontare le sfide del settore idrico in solitaria. Il coordinamento tra livelli locali e governo centrale è cruciale.” (OECD 2016, Water governance in Cities).



ARMONIZZAZIONE GESTIONE ACQUE METEORICHE IN AREA URBANA

GOVERNANCE PARTECIPATA



The world is facing critical water challenges: how to manage too little, too much and too polluted water, both today and in the future. These challenges stem partly from the failure of climate-change adaptation, the increase in the world's population, and intensified competition among cities, farmers, industries, energy suppliers and ecosystems….

(APPROPRIATA!!)

…….This report highlights the importance of stakeholder engagement and provides proven solutions that can be adapted and replicated. In this way, it seeks to inspire policy makers to reform and modernise their water governance frameworks towards greater inclusiveness.

ASSETS MANAGEMENT

SERVICEABILITY

maintenance holiday is an expensive short term thinking!

INFRASTRUCTURE RENEWAL VALUE: 500 – 5.000€ pro-capita

SERVICEABILITY INVESTMENTS: 5 – 60 € pro-capita/yr

How many years?

WE HAVE TO INVEST MORE AND BETTER

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