

# Measures to achieve targets

Bratislava, Slovakia

Kjetil Tveitan

Ministry of Health and Care Services,  
Norway

# Challenges related to measures

- What measures to use when most of the infrastructure is owned by independent bodies public or private?
  - Introduce new legal requirements
  - Stricter enforcement of new and existing requirements
  - Identifying/pointing out who is responsible
  - Professional advice
  - Information of the public
- How to secure financing of measures when budgets are only made for one year?
  - The principle of self- financing (costs will be divided on subscribers /owners)

# Example of target and measures

- Target (a - quality of the drinking water )
  - “Chemical parameters according to the drinking water regulation should not be exceeded more than twice each year. Microbiological parameters not more than once.”  
(Concerns waterworks with 500 recipients or more . Less ambitious targets are set for smaller water works)
- Measures indicated (who is responsible) :
  - Improve standard with special attention to distribution /pipes (Owners of waterworks)
  - Establish professional cooperation/networks (Owners of waterworks)
  - Stricter enforcement of regulation (Food Safety Authority)
  - Consider stronger regulation regarding maintenance and stronger instruments for the FSA (Ministry of Health)

# Example of target and measures 2

- Target (b - reduction of outbreaks)
  - Outbreaks of waterborne diseases should have low probability and consequence.
  - Persons falling ill from drinking water should be less than 1 of 10.000.
- Measures indicated (who is responsible):
  - Improve standard with special attention to water treatment and distribution /pipes (Owners of waterworks)
  - Improve methods for detecting and reporting waterborne disease (M.O.H./Institute of public health)

# Example of target and measures 3

- Target (e - level of performance)
  - Supply stability over 99,95 % in each w. work
  - National (average) yearly rate of renewal of pipes better than 4 % ( or 2) until 2035
  - Leakage less than 25 % by 2020
- Measures indicated (who is responsible):
  - Improve pace of renewal of distribution pipes (Owners of waterworks)
  - Consider stronger regulation regarding maintenance and stronger instruments for the FSA (Ministry of Health)
  - Consider economical incentives to stimulate renewal of distribution pipes (this will depend very much on future allocations of funds from the Government)

# Example of target and measures 4

- Target (j - quality of waters used as sources for drinking water) :
  - Waters used as sources for drinking water or food-production should as far as possible be protected against pollution
- Measures indicated (who's responsible)
  - The follow up of the water framework directive (the authorities appointed according to the Norwegian implementation of the directive)

# A few conclusions

- Targets are not self fulfilling and targets without any measures will probably not be achieved. The strength of the target depends on the measures.
- Same measure can be used towards different targets
- Measures already in place have been used where appropriate
- Choice of measures have to be flexible – chosen measures do not always lead to expected results. In some cases measures are given as examples

Thank You!

