# Distretto Idrografico dell'Appennino Settentrionale :: Piano di Gestione delle Acque

## Scheda Corpo idrico

### Informazioni generali

| | |
|---|---|
| Codice WISE | **IT09CI_N002AR058ca1** |
| Nome | **CANALE MAESTRO DELLA CHIANA** |

### Localizzazione

| | |
|---|---|
| Subunità | ARNO |
| Regione | TOSCANA |
| Bacino | Arno |
| Sottobacino | Chiana |
| Agglomerati | [111] LOCALITA - Montagnano |

### Caratteristiche

| | |
|---|---|
| Categoria | Fiumi |
| Tipo | 999 |
| Natura | Artificiale |
| Area bacino [kmq] | 690.3 |
| Area dir. afferente [kmq] | 60.3 |

### Connessioni

| | |
|---|---|
| Aree protette | - |
| Corpi idrici a monte | [IT09CI_N002AR052ca], [IT09CI_N002AR002ca], [IT09CI_N002AR004ca], [IT09CI_N002AR076ca], [IT09CI_N002AR429ca], [IT09CI_N002AR356ca], [IT09CI_N002AR274ca], [IT09CI_N002AR075ca], [IT09CI_N002AR306ca], [IT09CI_N002AR352ca] ... Numero totale corpi idrici a monte: 37 |
| Corpi idrici a valle | [IT09CI_N002AR058ca2] |

**Localizzazione geografica**

Cartografia Web GIS Piano di Gestione delle Acque

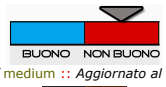
[IT09CI_N002AR058ca1]

### Analisi II PdG

ECO

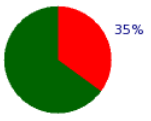
*Conf* medium :: *Aggiornato al* 2015

CHIM

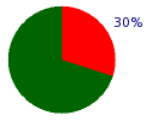



*Conf* medium :: *Aggiornato al* 2015

Gap ECO




Gap CHIM




### Stato ambientale

Contributo Gap POLLUT HYDRO MORPHO

*Riferimento ai metodi delle procedure di stima del gap*

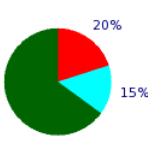
### Misure in atto

| | | | |
|---|---|---|---|
| [01] POINT 3 interv. **M** | [02] NUTR 2 interv. **D+M** | [03] PEST | [04] CONTAM 40 interv. **M** |
| [05] LONG | [06] HYDROM 15 interv. **M** | [07] FLOW 4 interv. **D+M** | [08] IRRIG 2 interv. **D+M** |
| [09] PRIC.HH | [10] PRIC.IND 2 interv. **D+M** | [11] PRIC.AGR 2 interv. **D+M** | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW 2 interv. **D+M** | [15] EMISS | [16] IND.WWT |
| [17] SOIL | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT | [24] CLIM.CHG |

**D** Misure dirette **M** Misure a monte **D+M** A monte + Dirette

Settori critici

| | | |
|---|---|---|
| AGRICUL | CLIMATE | ENERGY |
| ENERGY | FISHERI | FLOOD P |
| FORESTR | INDUSTR | TOURISM |
| TRANSPO | URBAN D | UNKNOWN |

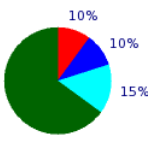


### Misure addizionali

| | | | |
|---|---|---|---|
| [01] POINT | [02] NUTR 10 interv. **D+M** | [03] PEST 4 interv. **D+M** | [04] CONTAM |
| [05] LONG | [06] HYDROM | [07] FLOW | [08] IRRIG 2 interv. **D+M** 4.92 Ml mc/a |
| [09] PRIC.HH | [10] PRIC.IND | [11] PRIC.AGR | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW 24 interv. **D+M** | [15] EMISS | [16] IND.WWT |
| [17] SOIL 4 interv. **M** | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT 27 interv. **M** | [24] CLIM.CHG 2 interv. **D+M** |

**D** Misure dirette **M** Misure a monte **D+M** A monte + Dirette

Potenzialità misure aggiuntive ~ 21 Ml mc/anno



Potenzialità misure programmate Potenzialità misure aggiuntive Gap rimanente

*Elaborazione AdBArno*

### Giustificazioni

Fattori a supporto della scelta dell'Art. 4.4 (proroga)

| | |
|---|---|
| INFR | Presenza di agglomerati in infrazione |
| AP | Presenza di aree protette per le quali la qualità delle acque risulta di particolare impatto |
| USI ESIG | Presenza di usi idrici che richiedono alti standard di qualità e quantità |

Fattori a supporto della scelta dell'Art. 4.5 (deroga)

| | |
|---|---|
| ATT PROD | Presenza di attività produttive di particolare rilevanza |
| CA HMWB | Canale Artificiale o Corpo idrico fortemente modificato |

Altri fattori

| | |
|---|---|
| EXTR | Occorrenza eventi estremi (siccità, piene) negli ultimi sei anni |
| WS AGR | Condizioni di scarsità idrica causata da usi agricoli |

### Obiettivi Esenzioni

| | |
|---|---|
| ECO | Art. 4.5 Costi sproporzionati (sufficiente al 2021) |
| CHIM | Art. 4.4 Costi sproporz. (buono al 2021) |

### Determinanti Pressioni Impatti

Dirette 1 2 3 4 5 6 7 8 9 10

Pressioni totali 1 2 3 4 5 6 7 8 9 10

Stato ambientale **2012**

Dirette

| Pressioni | Determinanti: AGRICU | CLIMAT | ENERGY | ENERGY | FISHER | FLOOD | FOREST | INDUST | TOURIS | TRANSP | URBAN | UNKNOW | Misure contro |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [1.1] Point - Urban | | | | | | | | | | | X | | |
| [1.5] Point - Contam | | | | | | | | X | | | | | [14] KNOW [14] KNOW |
| [2.1] Diffuse - Urba | | | | | | | | X | | | X | | |
| [2.2] Diffuse - Agri | X | | | | | | | | | | | | [02] NUTR [02] NUTR [03] PEST [07] FLOW [08] IRRIG [14] KNOW [14] KNOW [17] SOIL [23] RETENT [24] CLIM.CHG |
| [2.10d] Diffuse - Agr | X | | | | | | | | | | | | |
| [2.10e] Diffuse - Agr | X | | | | | | | | | | | | |
| [3] Abstraction/Flow Div | X | | | | | | | | | X | X | | [07] FLOW [08] IRRIG [10] PRIC.IND [11] PRIC.AGR [14] KNOW [14] KNOW |
| [4.1] Physical alteratio | X | | | | | X | | | | X | | | [14] KNOW [14] KNOW [17] SOIL [23] RETENT [24] CLIM.CHG |

| Pressioni | Impatti: NUTRIEN | ORGANIC | CHEMICA | SALINE | ACIDIFI | ELEVATE | ALTERED | ALTERED | LITTER | MICROBI | OTHER | S NO SIGN | NOT APP | UNKNOWN | Misure contro |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [1.1] Point - Urban | | X | X | | | | | | | | | | | | |
| [1.5] Point - Contam | | X | X | | | | | | | | | | | | [14] KNOW [14] KNOW |
| [2.1] Diffuse - Urba | | X | X | | | | | | | | | | | | |
| [2.2] Diffuse - Agri | X | X | | | | | | | | | | | | | [02] NUTR [02] NUTR [03] PEST [07] FLOW [08] IRRIG [14] KNOW [14] KNOW [17] SOIL [23] RETENT [24] CLIM.CHG |
| [2.10d] Diffuse - Agr | | X | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [2.10e] Diffuse - Agr | X | | | | | | | | | | | | | |
| [3] Abstraction/Flow Div | | | | | | | | X | | | | | X | [07] FLOW [08] IRRIG<br>[10] PRIC.IND [11] PRIC.AGR [14] KNOW<br>[14] KNOW |
| [4.1] Physical alteratio | | | | | | | | | X | | | | | [14] KNOW [14] KNOW<br>[17] SOIL [23] RETENT [24] CLIM.CHG |

X *Impatto potenziale* X *Impatto rilevato*

A monte

| Pressioni | Determinanti<br>AGRICU | CLIMAT | ENERGY | ENERGY | FISHER | FLOOD | FOREST | INDUST | TOURIS | TRANSP | URBAN | UNKNOW | Misure contro |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [1.1] Point - Urban | | | | | | | | | | | X | | [01] POINT |
| [1.3] Point - IED pl | | | | | | | | X | | | | | [01] POINT [14] KNOW<br>[14] KNOW |
| [1.5] Point - Contam | | | | | | | | X | | | | | [04] CONTAM [14] KNOW<br>[14] KNOW |
| [1.8] Point - Aquacu | | | | | X | | | | | | | | |
| [1.9.2] Point - Othe | | | | | | | | | | | X | | |
| [2.1] Diffuse - Urba | | | | | | | | X | | | X | | [01] POINT |
| [2.2] Diffuse - Agri | X | | | | | | | | | | | | [02] NUTR [02] NUTR<br>[03] PEST [06] HYDROM [07] FLOW<br>[08] IRRIG [08] IRRIG [14] KNOW<br>[14] KNOW [17] SOIL [23] RETENT<br>[24] CLIM.CHG |
| [2.4] Diffuse - Tran | | | | | | | | | | X | | | |
| [2.10a] Diffuse - Ind | | | | | | | | X | | | | | [04] CONTAM |
| [2.10b] Diffuse - Ind | | | | | | | | X | | | | | [04] CONTAM |
| [2.10d] Diffuse - Agr | X | | | | | | | | | | | | |
| [2.10e] Diffuse - Agr | X | | | | | | | | | | | | |
| [3] Abstraction/Flow Div | X | | | | | | | | | X | X | | [07] FLOW [08] IRRIG<br>[08] IRRIG [10] PRIC.IND [11] PRIC.AGR<br>[14] KNOW [14] KNOW |
| [4.1] Physical alteratio | X | | | | | X | | | | X | | | [06] HYDROM [14] KNOW<br>[14] KNOW [17] SOIL [23] RETENT<br>[24] CLIM.CHG |
| [4.2a] Dams, barriers, l | | | X | | | X | | | | | X | | |
| [4.2b] Dams, barriers, l | | | X | | | X | | | | | | | [06] HYDROM [14] KNOW<br>[14] KNOW [17] SOIL [23] RETENT<br>[24] CLIM.CHG |

Consumo di suolo 2006-2012
*Fonte dati: ISPRA. Elaborazione AdBArno*

Bacino a monte

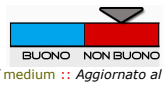
**+ 2.4 ha**

## Stato ambientale

ECO

*Conf* medium :: *Aggiornato al* 2015

CHIM




*Conf* medium :: *Aggiornato al* 2015

Monitoraggio

| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|
| MAS-112 ECO | | | LIM | | | |
| MAS-112 CHEM | Hg<br>PBDE* | Tribu* | Tribu* | | Hg | |

* = Sostanza non ubiquitaria

## Programma delle misure

Dirette

Agriculture | Climate change | Energy - hydr | Energy - non- | Fisheries and aqu | Flood protection | MIN | MAX

Forestry | Industry | Tourism & recreat | Transport | Urban development | Unknown/Other

### Misure dirette - Programmate

| | | | |
|---|---|---|---|
| [01] POINT | [02] NUTR<br>1 interv. | [03] PEST | [04] CONTAM |
| [05] LONG | [06] HYDROM | [07] FLOW<br>2 interv. | [08] IRRIG<br>1 interv. |
| [09] PRIC.HH | [10] PRIC.IND<br>1 interv. | [11] PRIC.AGR<br>1 interv. | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW<br>1 interv. | [15] EMISS | [16] IND.WWT |
| [17] SOIL | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT | [24] CLIM.CHG |

Elenco misure esteso

### Misure a monte - Programmate

| | | | |
|---|---|---|---|
| [01] POINT<br>3 interv. | [02] NUTR<br>1 interv. | [03] PEST | [04] CONTAM<br>40 interv. |
| [05] LONG | [06] HYDROM<br>15 interv. | [07] FLOW<br>2 interv. | [08] IRRIG<br>1 interv. |
| [09] PRIC.HH | [10] PRIC.IND<br>1 interv. | [11] PRIC.AGR<br>1 interv. | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW<br>1 interv. | [15] EMISS | [16] IND.WWT |
| [17] SOIL | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT | [24] CLIM.CHG |

### Misure dirette - Misure addizionali

| | | | |
|---|---|---|---|
| [01] POINT | [02] NUTR<br>5 interv. | [03] PEST<br>2 interv. | [04] CONTAM |
| [05] LONG | [06] HYDROM | [07] FLOW | [08] IRRIG |
| [09] PRIC.HH | [10] PRIC.IND | [11] PRIC.AGR | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW<br>12 interv. | [15] EMISS | [16] IND.WWT |
| [17] SOIL<br>1 interv. | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT<br>12 interv. | [24] CLIM.CHG<br>1 interv. |

Elenco misure esteso

### Misure a monte - Misure addizionali

| | | | |
|---|---|---|---|
| [01] POINT | [02] NUTR<br>5 interv. | [03] PEST<br>2 interv. | [04] CONTAM |
| [05] LONG | [06] HYDROM | [07] FLOW | [08] IRRIG<br>2 interv. |
| [09] PRIC.HH | [10] PRIC.IND | [11] PRIC.AGR | [12] ADV.AGR |
| [13] WAT.PROT | [14] KNOW<br>12 interv. | [15] EMISS | [16] IND.WWT |
| [17] SOIL<br>3 interv. | [18] ALIEN | [19] RECREAT | [20] FISHING |
| [21] POLLUT | [22] FOREST | [23] RETENT<br>15 interv. | [24] CLIM.CHG<br>1 interv. |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