



Consorzio di Bonifica
dell'Emilia Centrale



LIFE RINASCERE

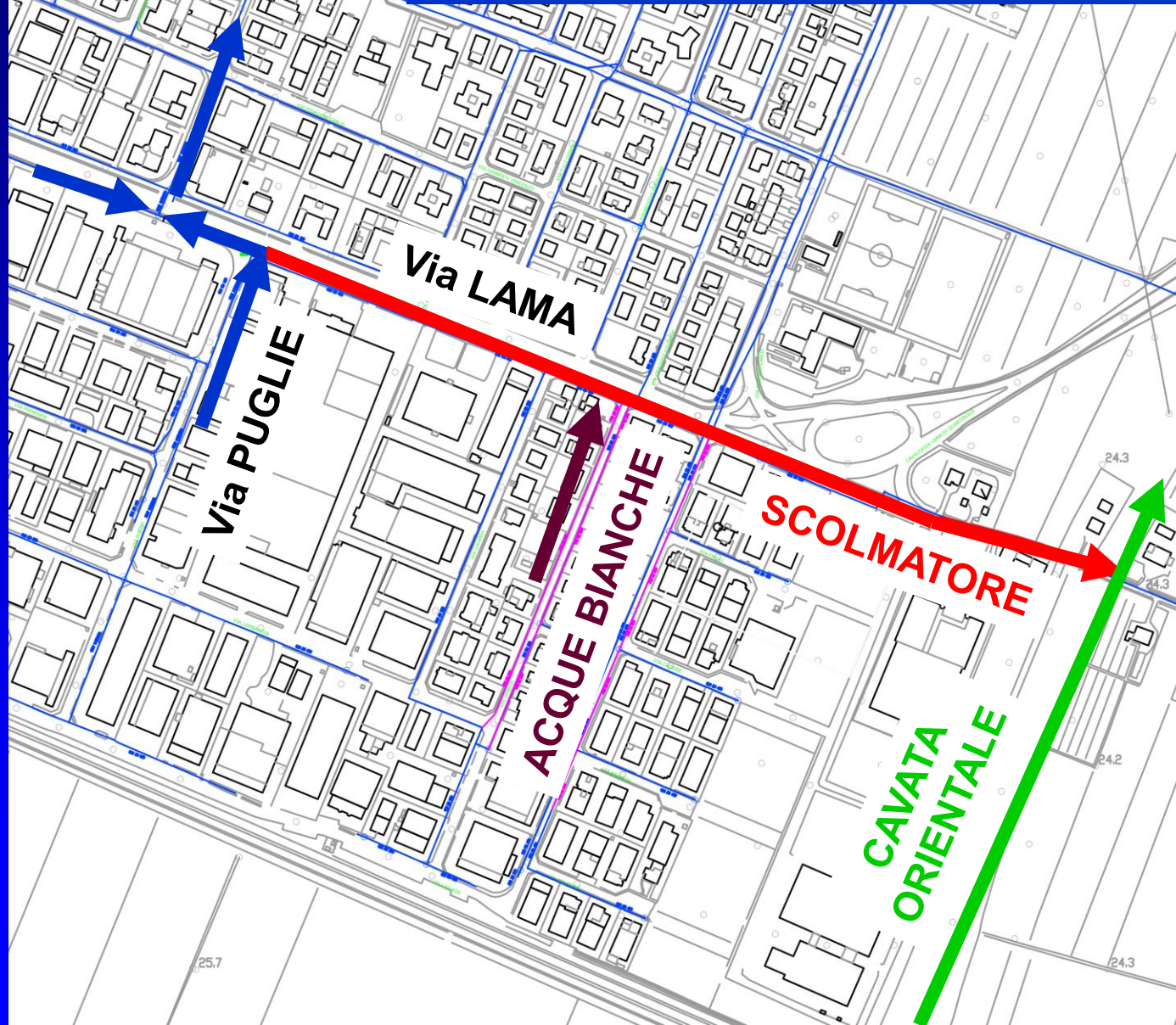
RIqualificazione **NA**turalistica per la **S**istemazione
integrata idraulico-ambientale dei **C**anali **E**miliani

LIFE13 ENV/IT/000169

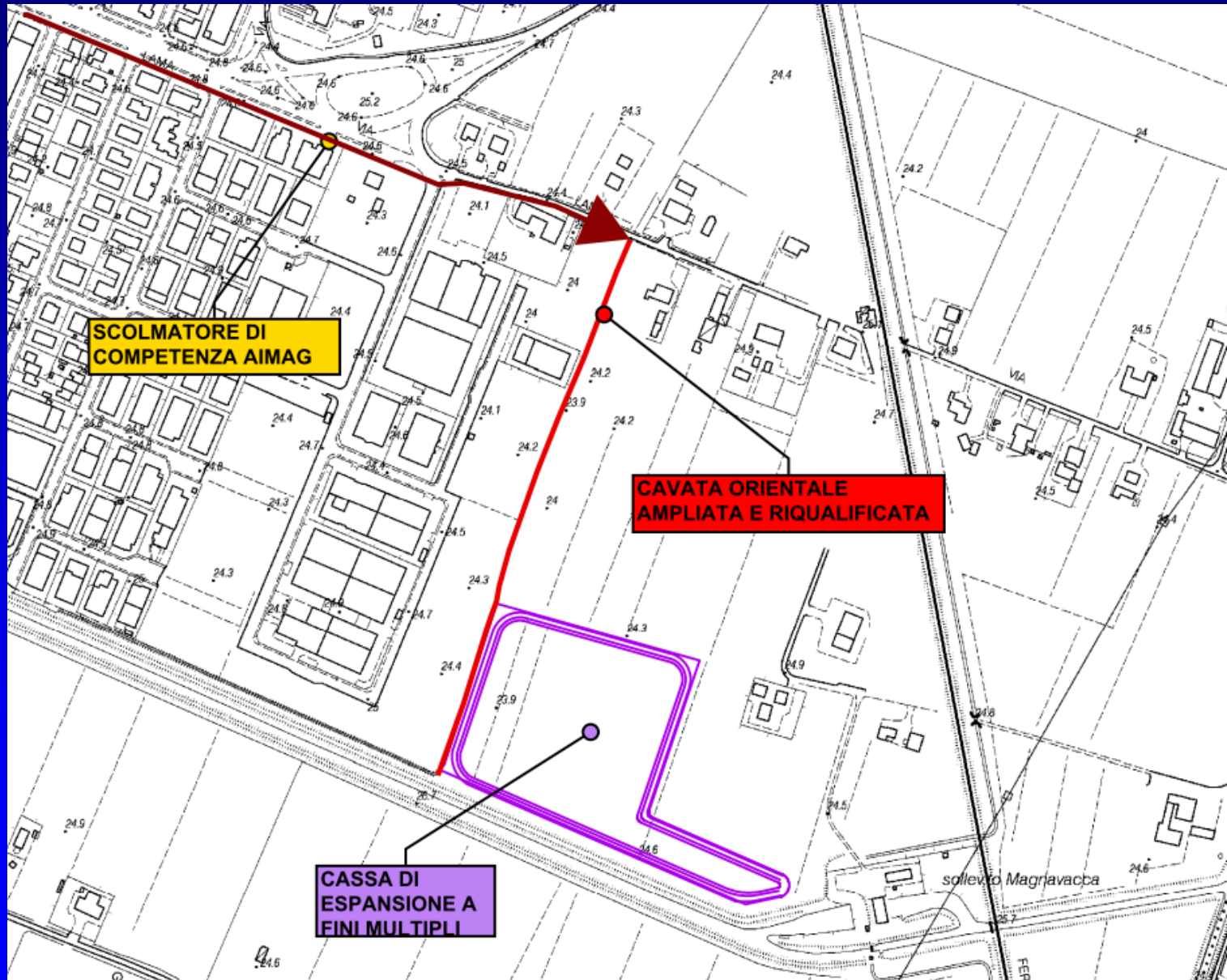
***ANALISI DEL FUNZIONAMENTO DELLA CASSA A
SERVIZIO DELLA CAVATA ORIENTALE***

Carpi – 17 novembre 2015

AIMAG SCOLMATORE DI VIA LAMA

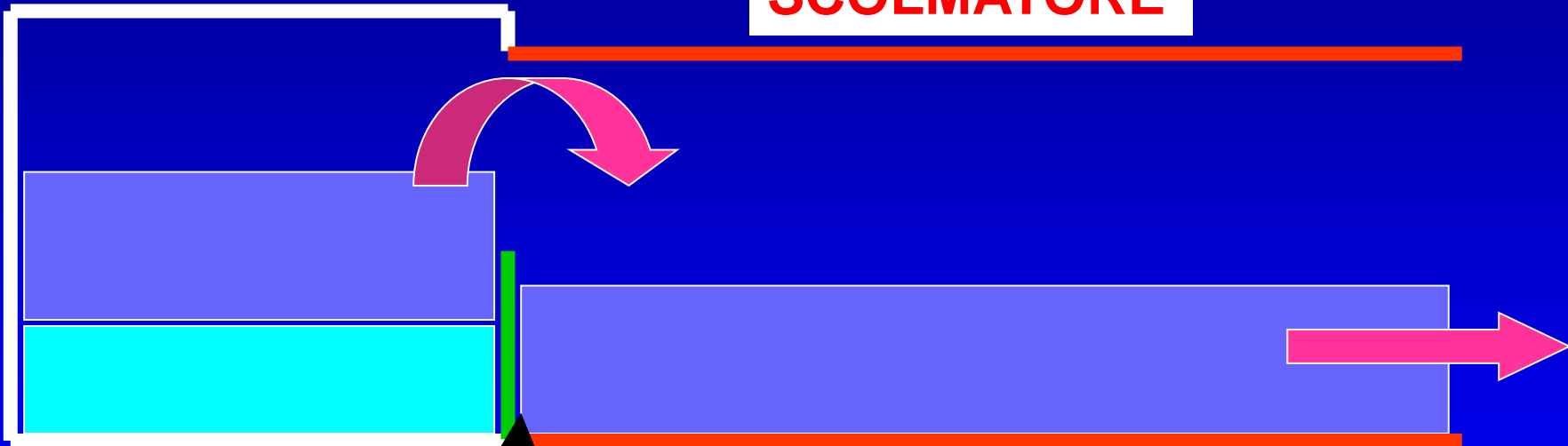


SCHEMA GENERALE



**COLLETTORE
VERSO IL
DEPURATORE**

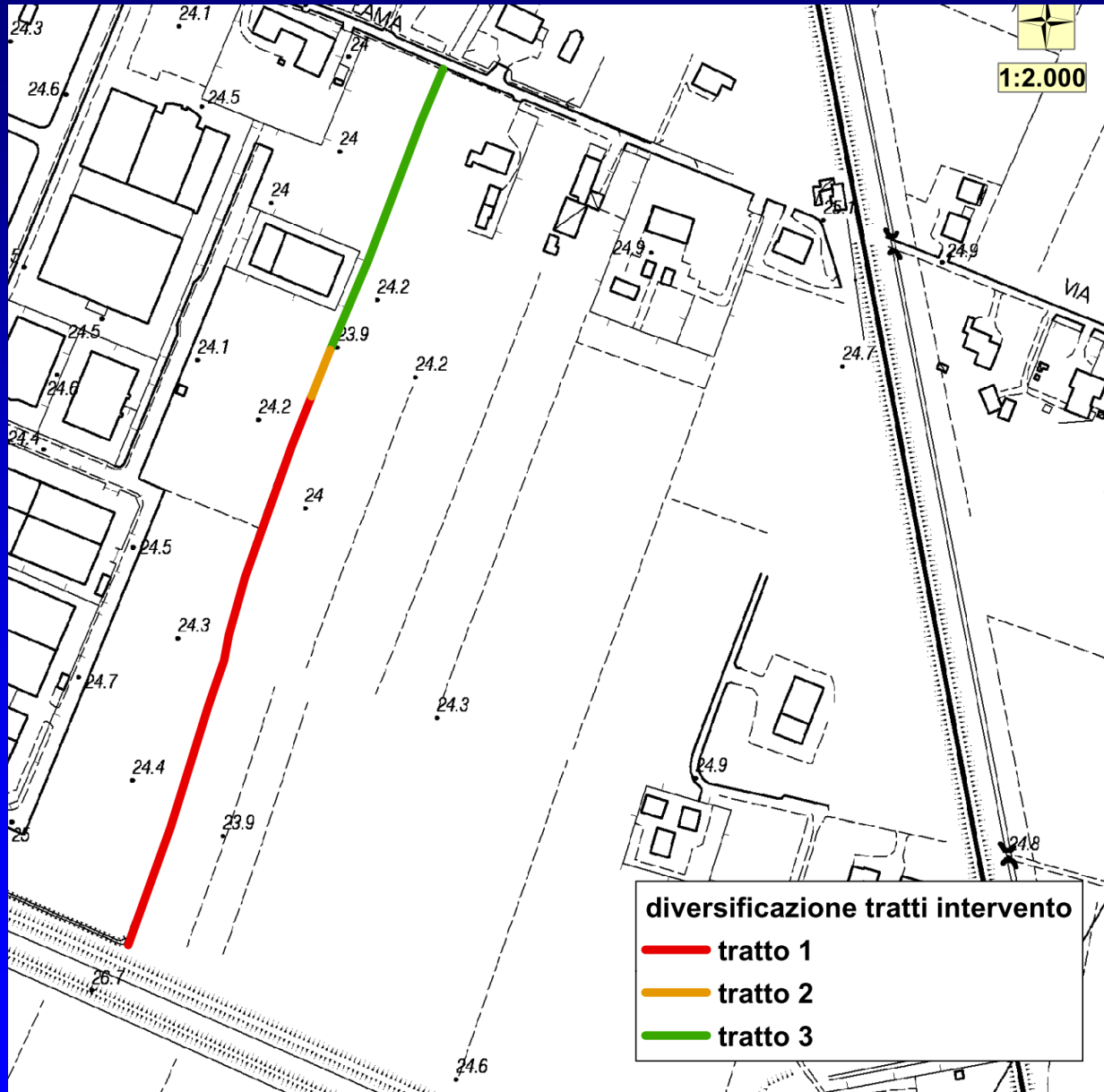
SCOLMATORE



**SOGLIA DI
SFIORO**

**CAVATA
ORIENTALE**

CAVATA ORIENTALE



3.98

5.45

3.97

Sezione IN FREGIO AL VIGNETO

24.50

sponda sinistra

3x2

3x2

3x2

tirante vigneto da rimuovere

22.75

1.95

3,95 m

1,77 m

1,73 m

3,96 m

18.55

Sezione FUORI VIGNETO

24.50

8.92

24.50

sponda sinistra

3x2

3x2

sponda destra

tirante vigneto da rimuovere

22.75

23.19

23.63

1.50

0.65

3 m

1,94 m

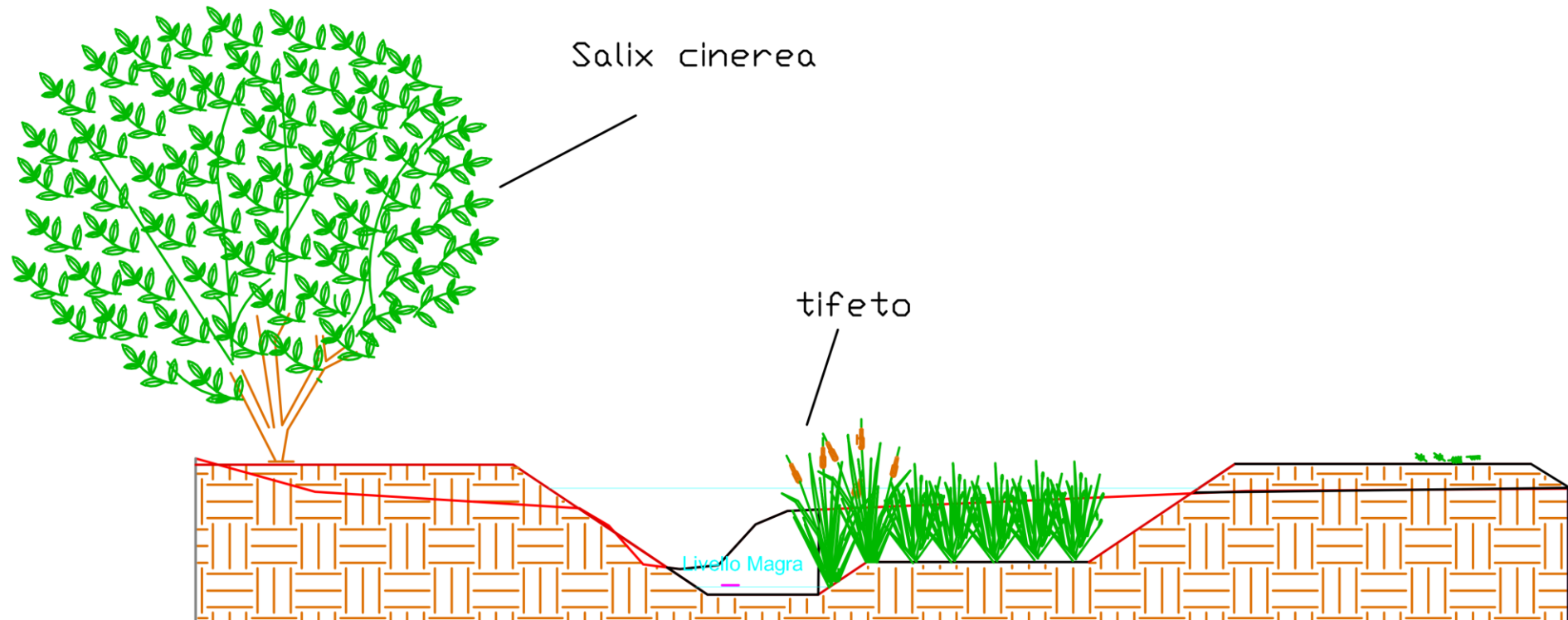
4.00

0.53

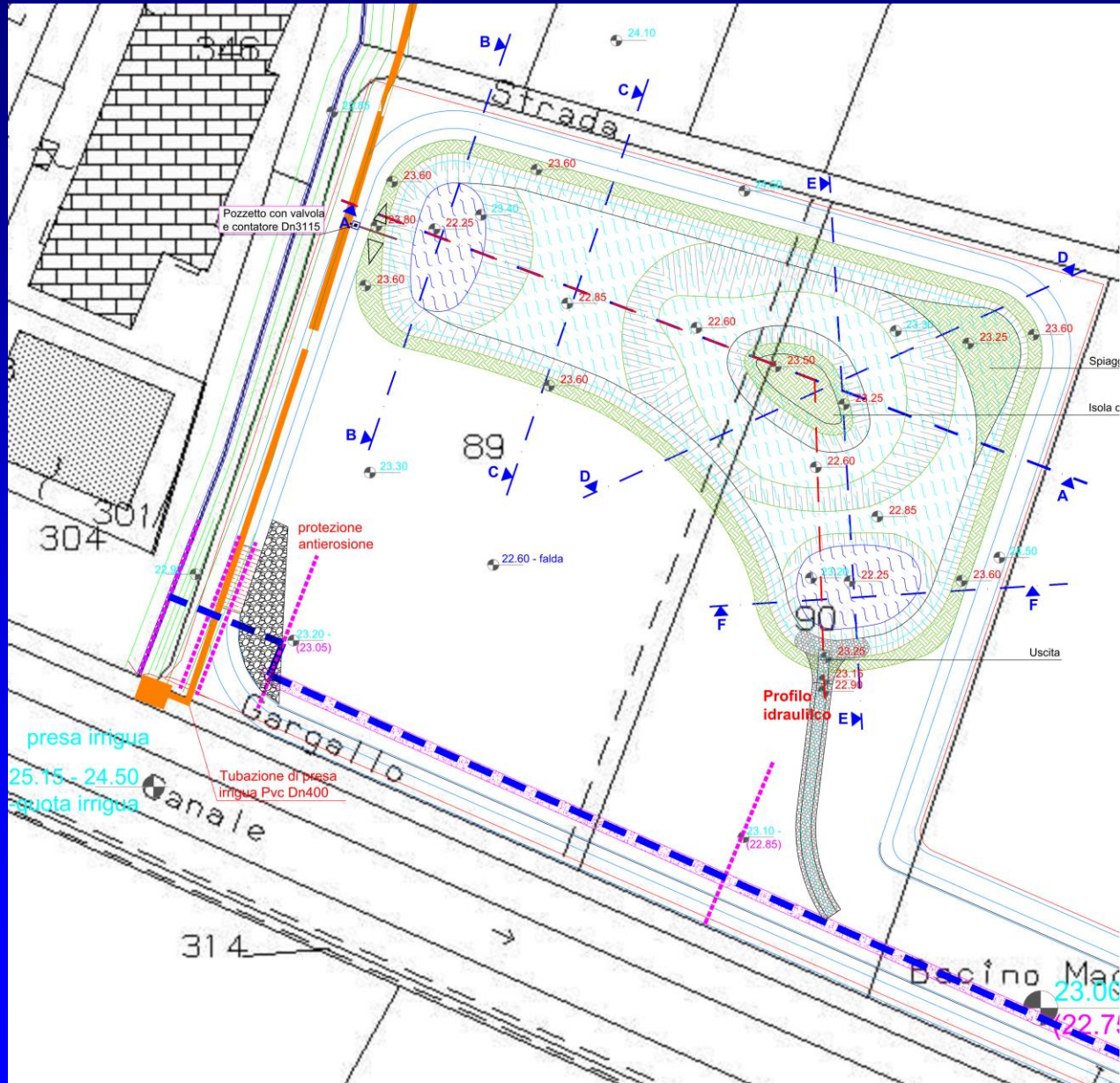
3,95 m

2,61 m

SEZIONE TIPOLOGICA FUORI VIGNETO



CASSA DI ESPANSIONE



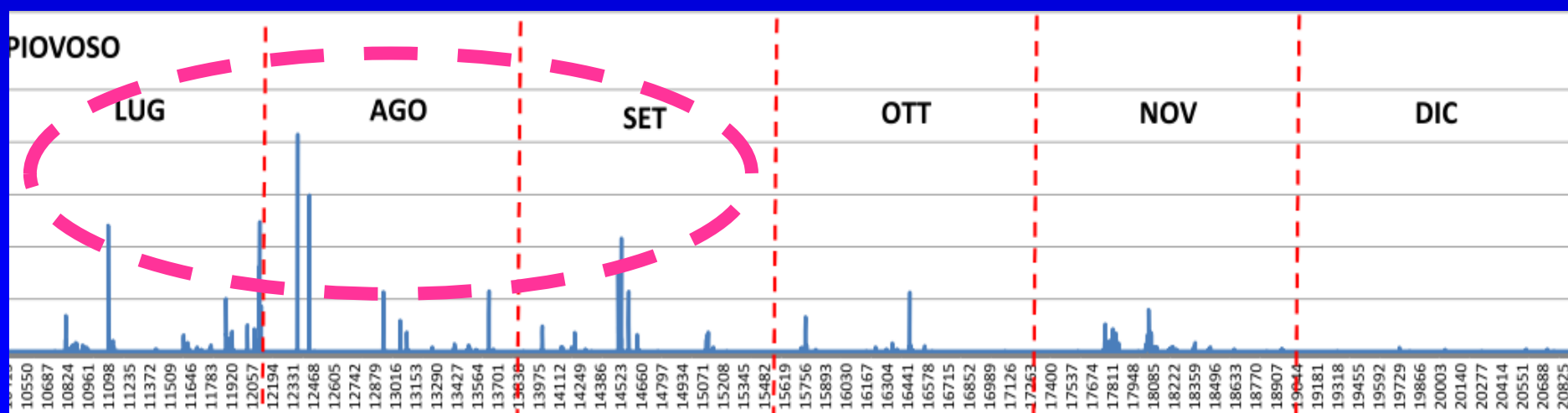
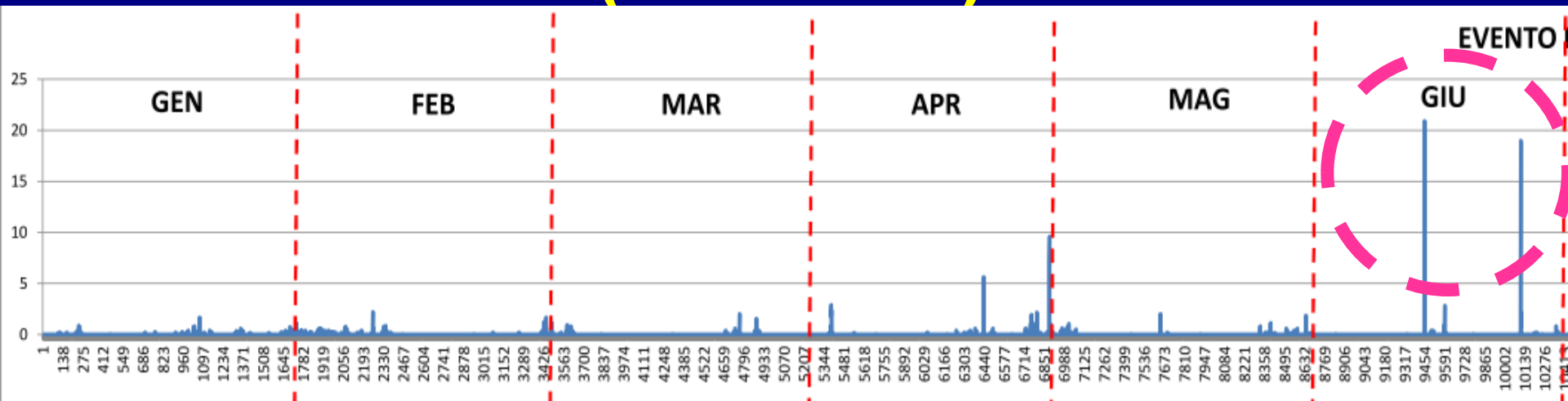
ATTIVAZIONE DELLO SCOLMATORE

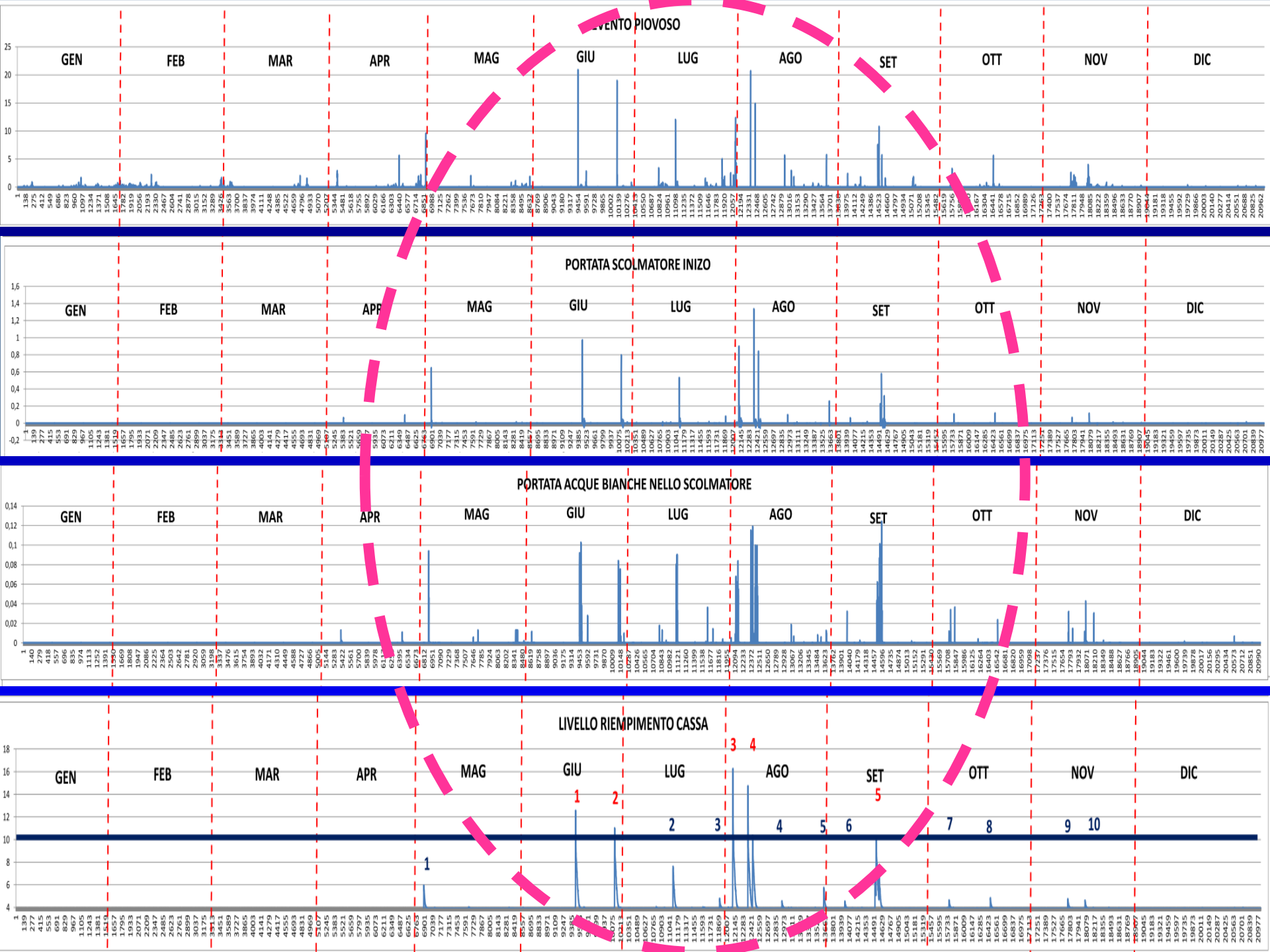
E DELLA CASSA

IN RELAZIONE AGLI EVENTI PIOVOSI

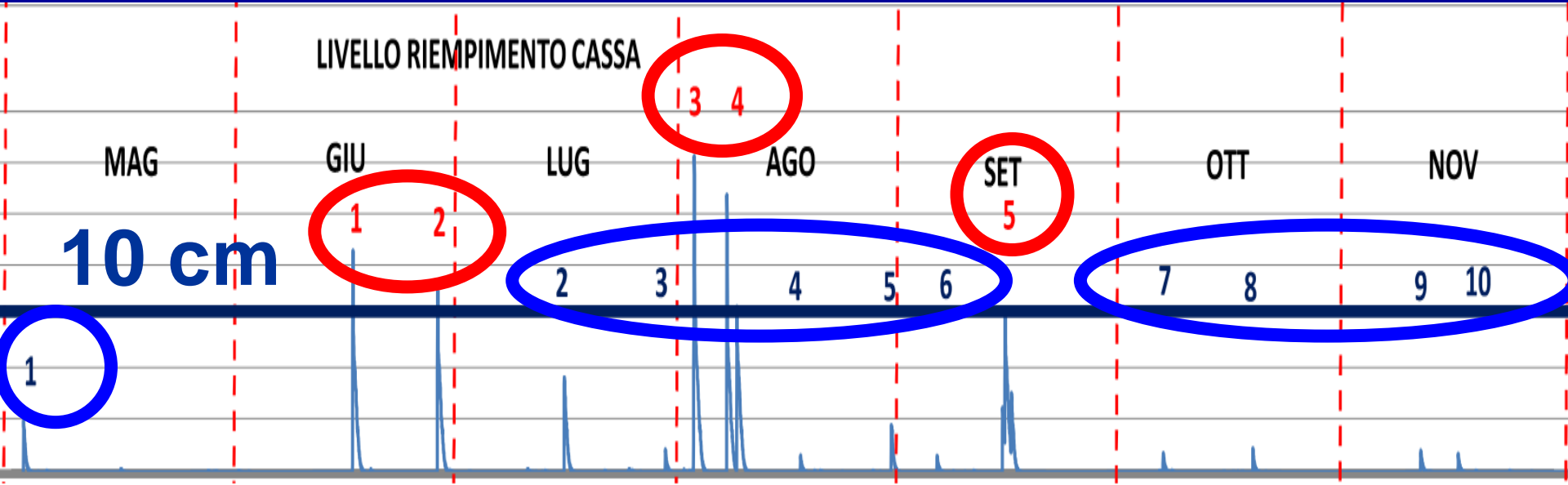
DEL 2014

EVENTI PIOVOSI ANALIZZATI (anno 2014)





ATTIVAZIONE DELLA CASSA



DURATA DEGLI EVENTI

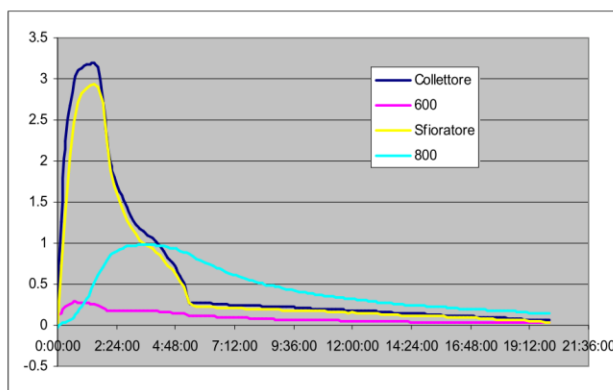


ATTIVAZIONE DELLO SCOLMATORE

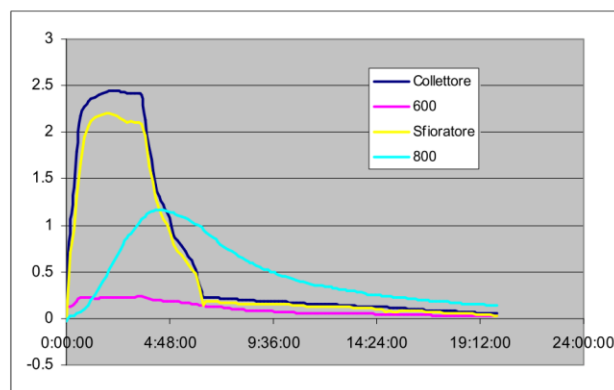
E DELLA CASSA

IN RELAZIONE A 12 EVENTI CRITICI

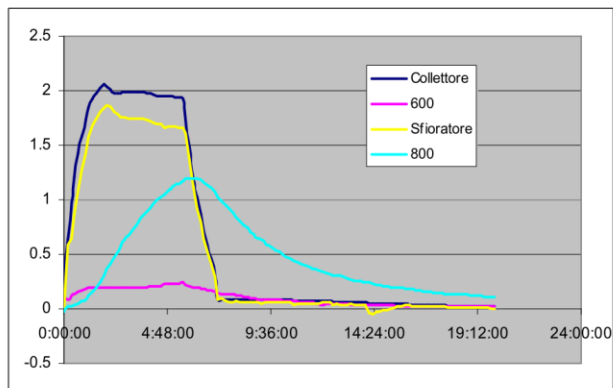
- **Tempo di ritorno 25 anni:**
 - Tempo di pioggia = 2, 4, 6, 8, 10 ore
- **Tempo di ritorno 50 anni:**
 - Tempo di pioggia = 2, 4, 6, 8, 10 ore
- **Applicazione del metodo Chicago**
 - Tempo di pioggia = 1 ora
- **Simulazione dell'evento reale del 12 giugno 2007**



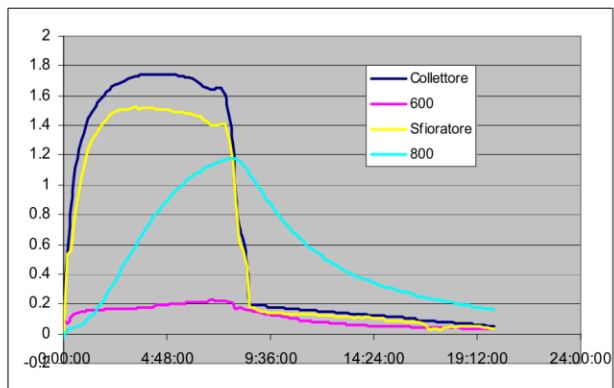
Q_Tr25_Tp2h



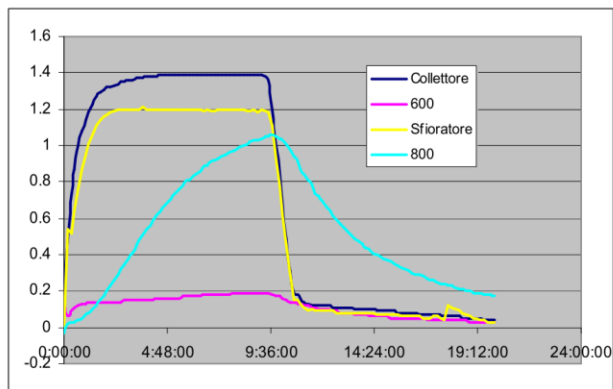
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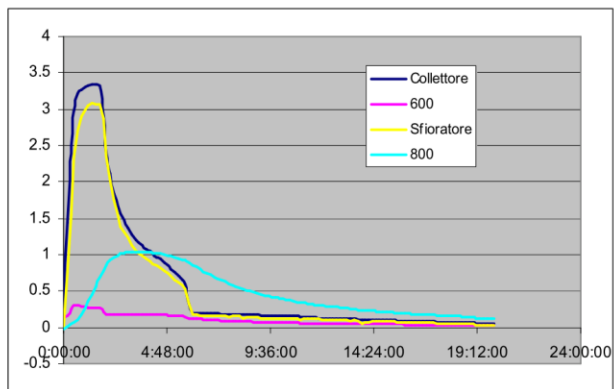
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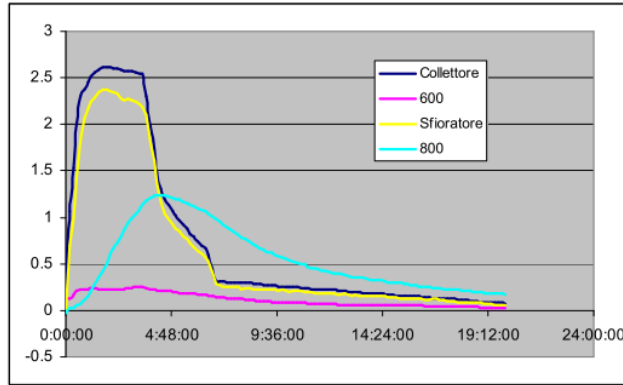
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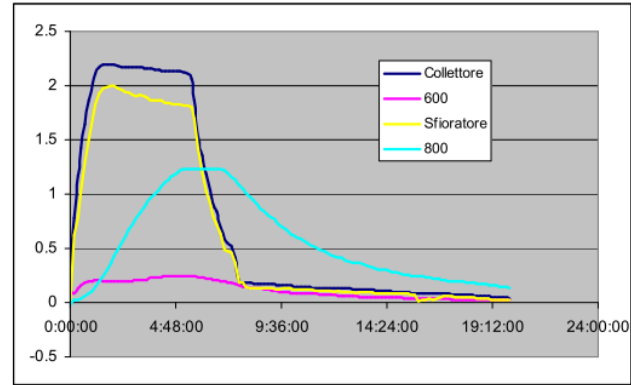
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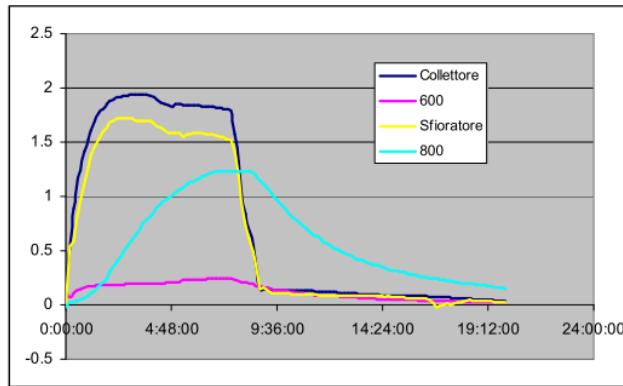
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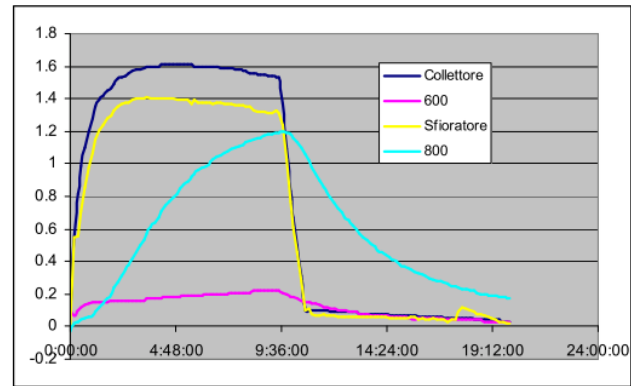
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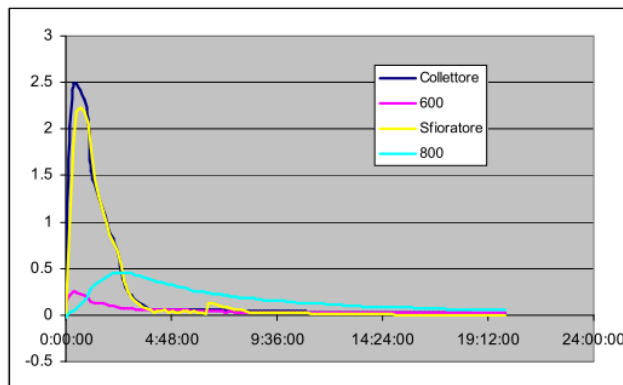
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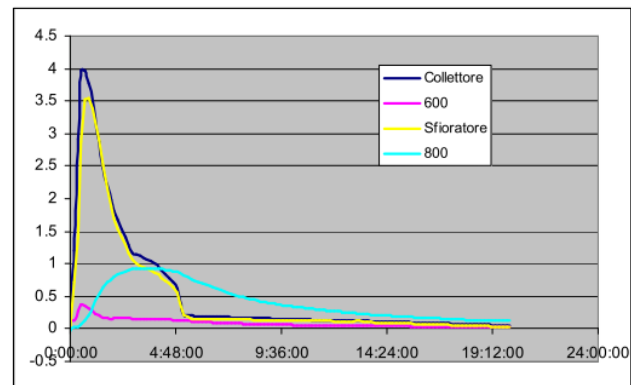
Q_Tr50_Tp8h



Q_Tr50_Tp10h



Chicago_1h



Pioggia_12062007