Consorzio di Bonifica Integrale
COMPRENSORIO SARNO BACINI DEL SARNO, DEI TORRENTI VESUVIANI E DELL'IRNO

Metodologia di calcolo per l'invarianza idraulica

ALLEGATO B

Curve di Possibilità pluviometrica dei Comuni del Consorzio di Bonifica Comprensorio Sarno

A cura dell'Ufficio Macchine Impianti
Reti e Concessioni

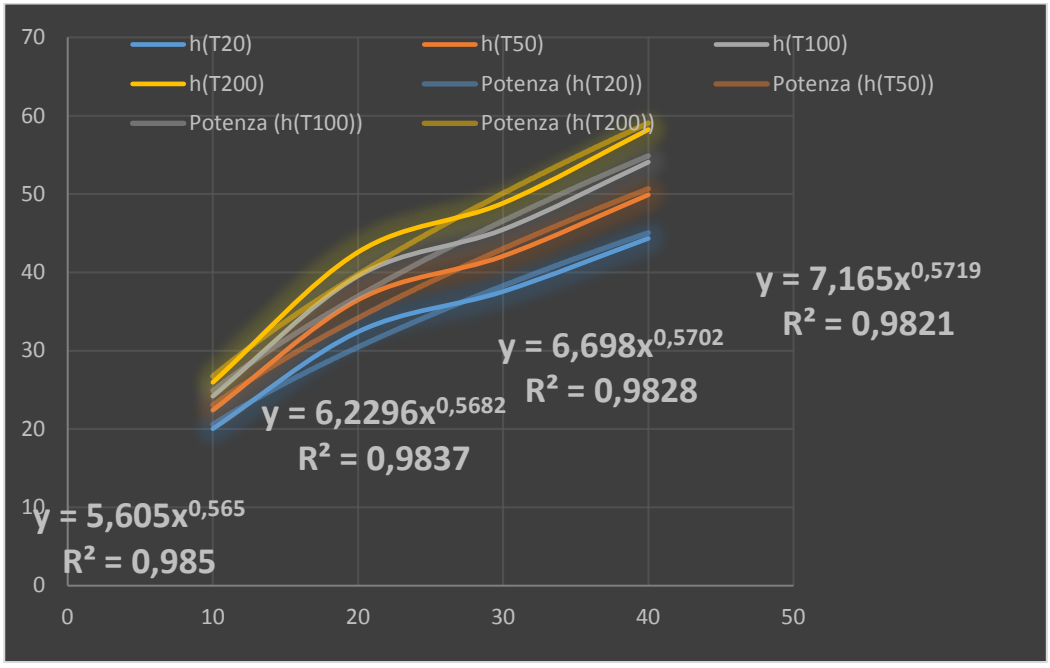
Rev.1.0 21.02.2017

1.1.1 Comune di Cava de' Tirreni

Stazione pluviometrografica: biblioteca comunale

	10 min	20 min	30 min	40 min
media	13,9286	21,9571	25,9571	30,0429
dev.st.	3,27283	5,60669	6,22362	7,66498
alfa	0,39202	0,22883	0,20615	0,16738
upsilon	12,4558	19,4341	23,1565	26,5936
	10	**20**	**30**	**40**
h(T20)	20,0325	32,4138	37,5644	44,3383
h(T50)	22,4093	36,4855	42,0842	49,9048
h(T100)	24,1904	39,5367	45,4711	54,0761
h(T200)	25,965	42,5767	48,8456	58,2322

	a (mm/min)	n	R^2
h(T20)	5,605	0,565	0,985
h(T50)	6,230	0,568	0,984
h(T100)	6,698	0,57	0,983
h(T200)	7,165	0,572	0,982



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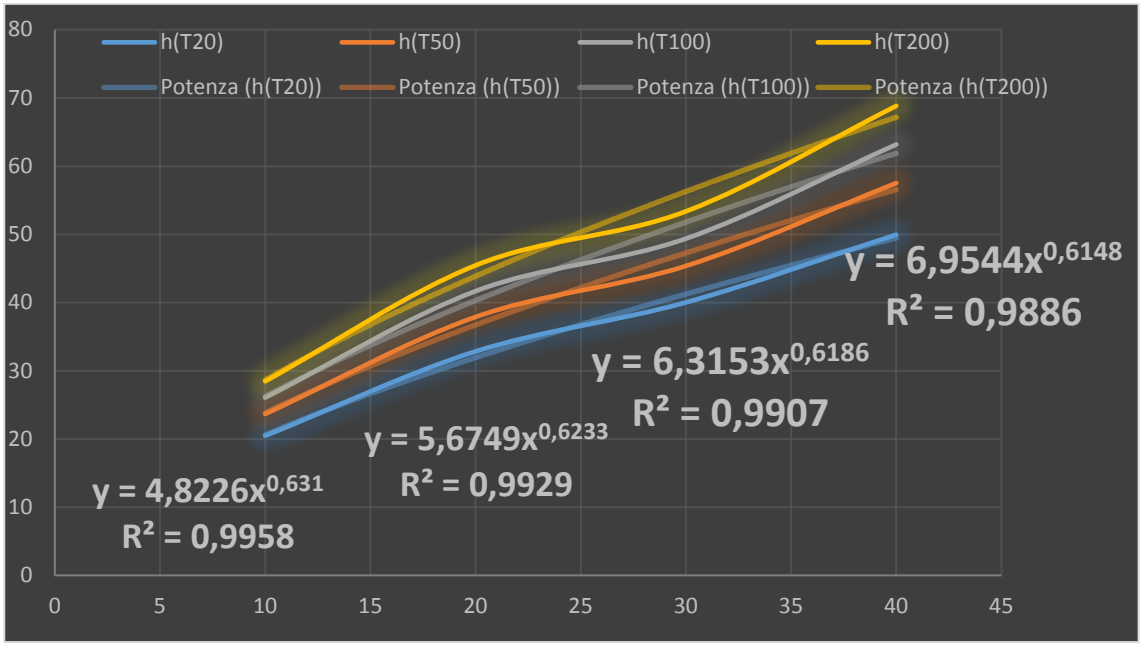
1.1.2 Comune di Nocera Superiore

Stazione pluviometrografica: ponte Camerelle

	10 min	20 min	30 min	40 min
media	12,2444	19,8556	26,2889	30,5333
dev.st.	4,40724	6,95897	7,36293	10,4129
alfa	0,29111	0,18437	0,17425	0,12321
upsilon	10,2612	16,724	22,9756	25,8475
	10	**20**	**30**	**40**
h(T20)	20,4641	32,8343	40,0211	49,9538
h(T50)	23,6648	37,8881	45,3682	57,5159
h(T100)	26,0632	41,6752	49,3751	63,1826
h(T200)	28,4529	45,4484	53,3674	68,8286

	a (mm/min)	n	R^2
h(T20)	4,823	0,631	0,996
h(T50)	5,675	0,623	0,993
h(T100)	6,315	0,619	0,991
h(T200)	6,954	0,615	0,989



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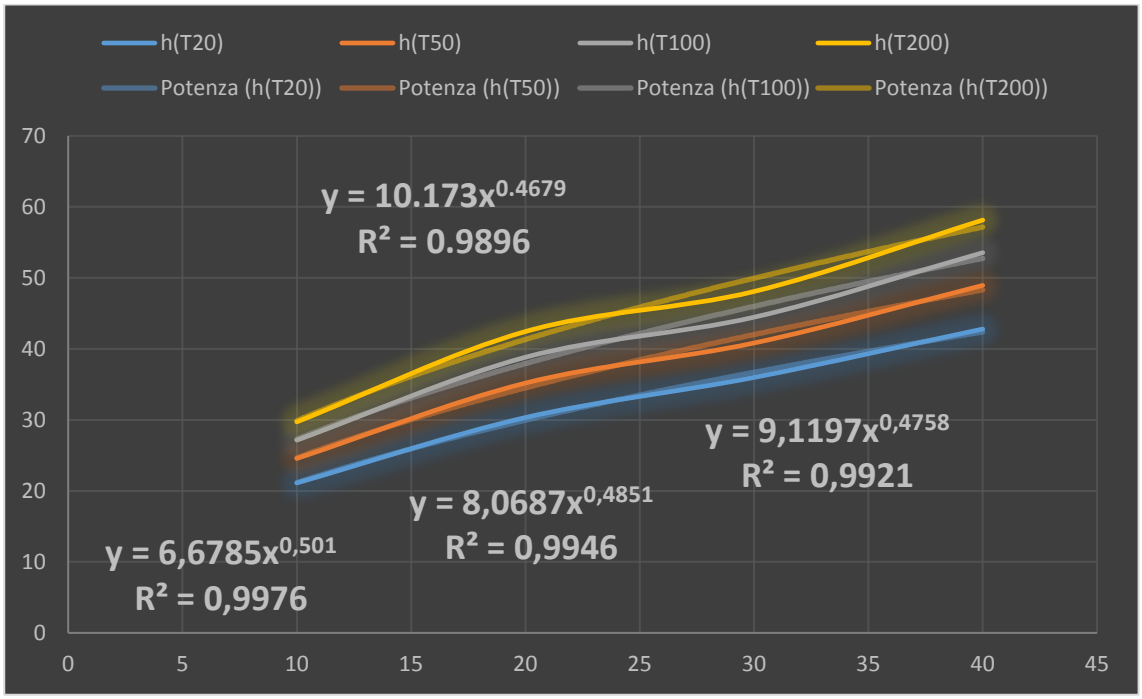
1.1.3 Comune di Nocera Inferiore

Stazione pluviometrografica: San Mauro

	10 min	20 min	30 min	40 min
media	12,2778	17,8667	23,5222	27,0111
dev.st.	4,74237	6,68308	6,67925	8,46431
alfa	0,27054	0,19198	0,19209	0,15158
upsilon	10,1437	14,8593	20,5166	23,2022
	10	**20**	**30**	**40**
h(T20)	21,1225	30,3309	35,9793	42,7974
h(T50)	24,5665	35,1843	40,8299	48,9444
h(T100)	27,1473	38,8212	44,4648	53,5506
h(T200)	29,7187	42,4449	48,0864	58,1401

	a (mm/min)	n	R^2
h(T20)	6,678	0,501	0,998
h(T50)	8,069	0,485	0,995
h(T100)	9,120	0,476	0,992
h(T200)	10,173	0,468	0,990



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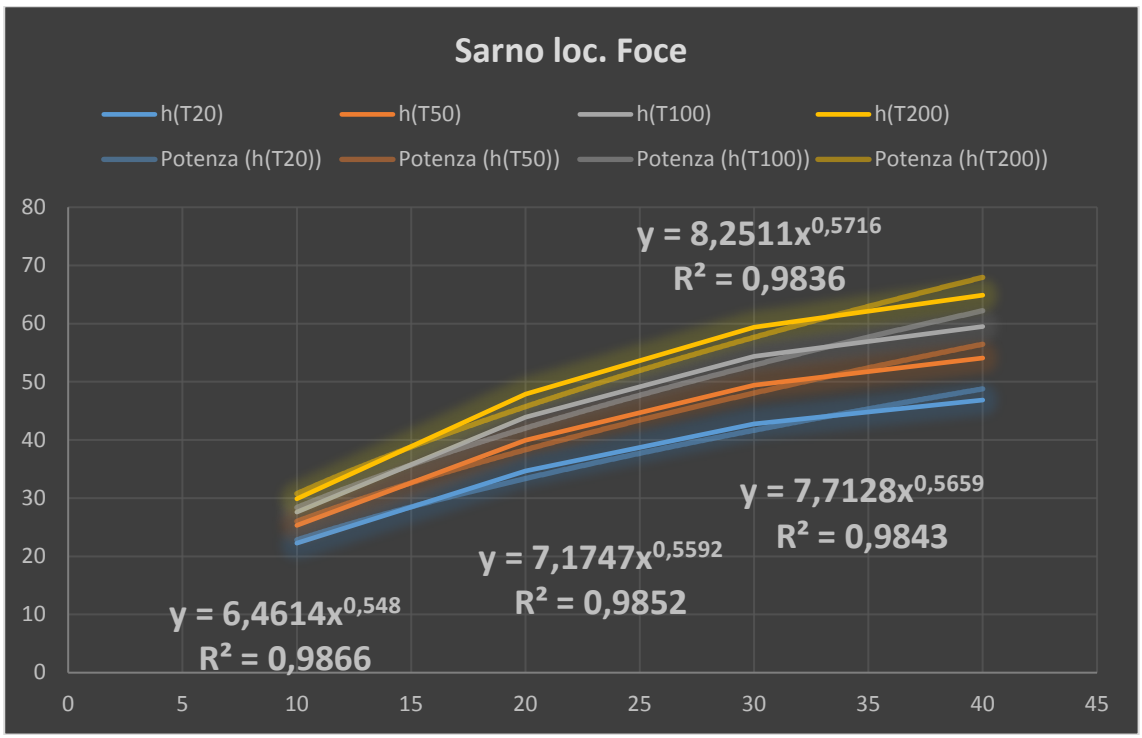
1.1.4 Comune di Sarno

Stazione pluviometrografica: Acquedotto Campano loc. Foce

	10 min	20 min	30 min	40 min
media	14,4143	21,1286	25,7143	28,3143
dev.st.	4,20729	7,26958	9,14758	9,94499
alfa	0,30495	0,17649	0,14026	0,12901
upsilon	12,521	17,8573	21,5979	23,839
	10	**20**	**30**	**40**
h(T20)	22,2611	34,6866	42,7749	46,8621
h(T50)	25,3165	39,966	49,4181	54,0844
h(T100)	27,6061	43,9221	54,3962	59,4964
h(T200)	29,8874	47,8638	59,3562	64,8888

	a (mm/min)	n	R^2
h(T20)	6,461	0,548	0,986
h(T50)	7,175	0,559	0,985
h(T100)	7,713	0,566	0,984
h(T200)	8,251	0,571	0,984



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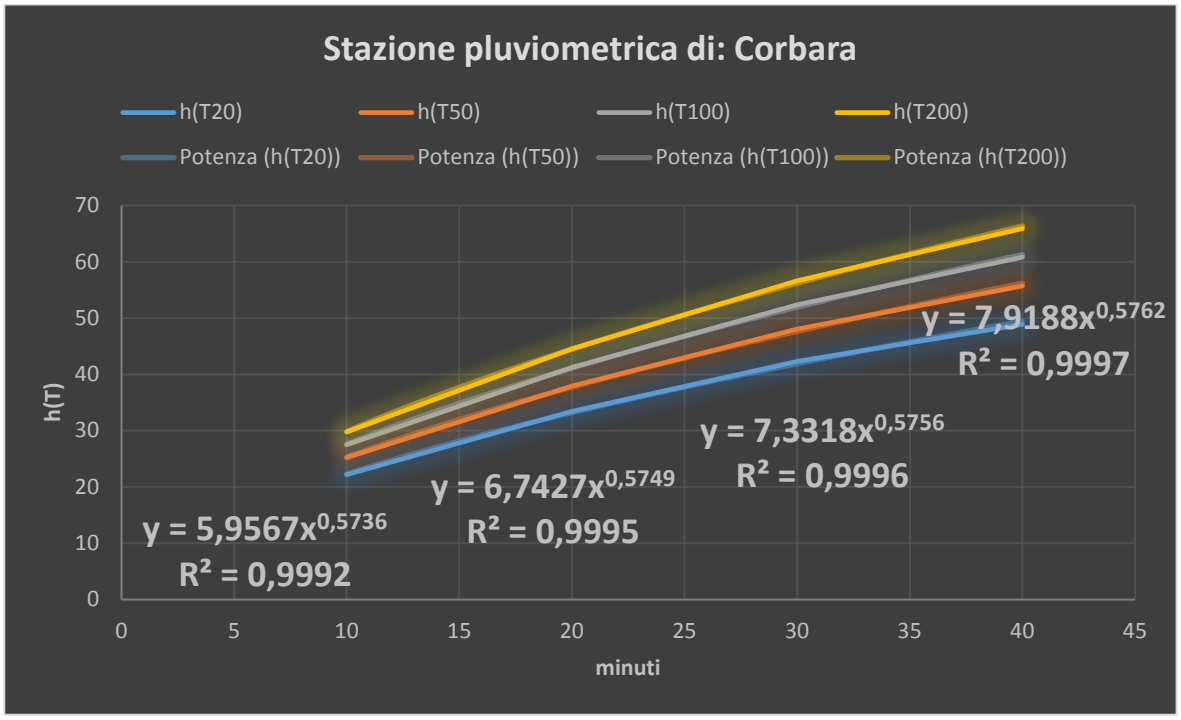
1.1.5 Comune di Corbara – S.Egidio del Monte Albino

Stazione pluviometrografica: hotel Valleverde

	10 min	20 min	30 min	40 min
media	14,3867	22,04	27,56	31,38
dev.st.	4,18533	6,12172	7,90559	9,38694
alfa	0,30655	0,20958	0,16229	0,13668
upsilon	12,5033	19,2852	24,0025	27,1559
	10	**20**	**30**	**40**
h(T20)	22,1925	33,4572	42,3042	48,887
h(T50)	25,2319	37,903	48,0454	55,704
h(T100)	27,5096	41,2344	52,3477	60,8124
h(T200)	29,779	44,5537	56,6342	65,9021

	a (mm/min)	n	R^2
h(T20)	5,957	0,574	0,999
h(T50)	6,743	0,575	0,999
h(T100)	7,332	0,576	1,000
h(T200)	7,919	0,576	1,000

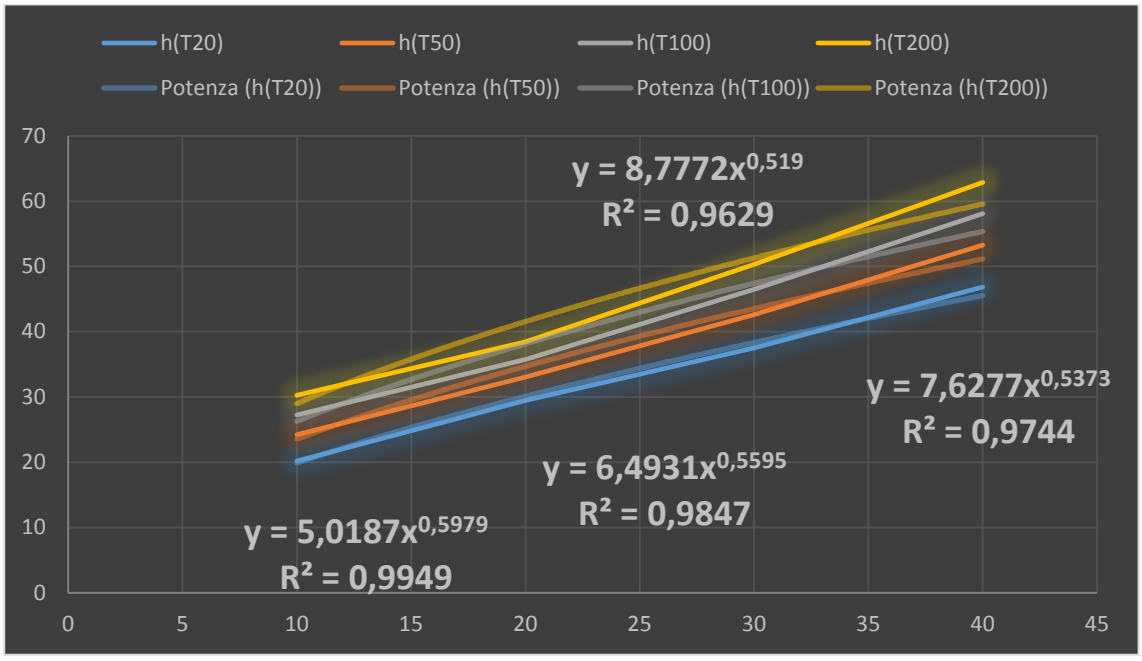


1.1.6 Comune di Mercato San Severino

Stazione pluviometrografica: Centrale di sollevamento consortile "Paludi"

	10 min	20 min	30 min	40 min
media	9,81333	20,2133	24,32	30,3733
dev.st.	5,56338	4,95665	7,06614	8,83786
alfa	0,23062	0,25884	0,18157	0,14517
upsilon	7,30981	17,9828	21,1402	26,3963
	10	**20**	**30**	**40**
h(T20)	20,1893	29,4577	37,4986	46,8563
h(T50)	24,2295	33,0573	42,6302	53,2745
h(T100)	27,2571	35,7547	46,4756	58,0841
h(T200)	30,2737	38,4423	50,307	62,8762

	a (mm/min)	n	R^2
h(T20)	5,019	0,598	0,985
h(T50)	6,493	0,559	0,985
h(T100)	7,628	0,537	0,974
h(T200)	8,777	0,519	0,963

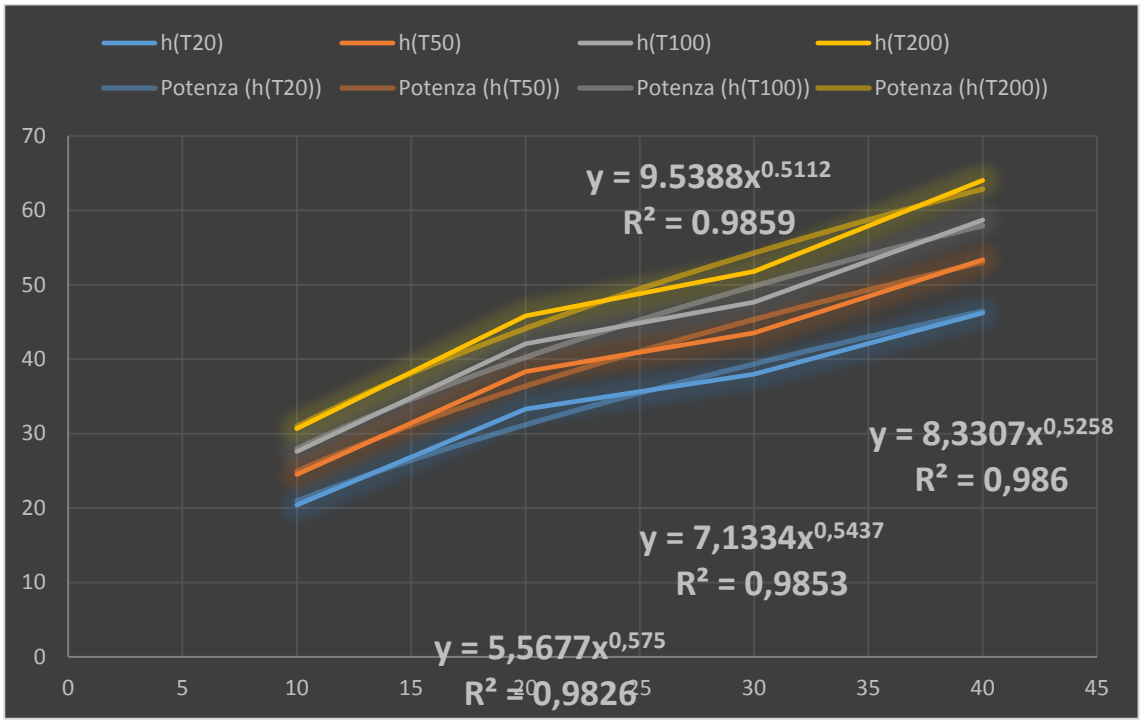


1.1.7 Comune di Pompei

Stazione pluviometrografica: campo sportivo

	10 min	20 min	30 min	40 min
media	9,82667	20,4533	23,7867	27,8933
dev.st.	5,66688	6,89491	7,61295	9,82442
alfa	0,2264	0,18608	0,16853	0,13059
upsilon	7,27657	17,3506	20,3608	23,4723
	10	**20**	**30**	**40**
h(T20)	20,3956	33,3126	37,9851	46,2163
h(T50)	24,511	38,3199	43,5138	53,351
h(T100)	27,595	42,0721	47,6568	58,6974
h(T200)	30,6676	45,8106	51,7846	64,0244

	a (mm/min)	n	R^2
h(T20)	5,568	0,575	0,983
h(T50)	7,133	0,544	0,986
h(T100)	8,331	0,526	0,986
h(T200)	9,539	0,511	0,986

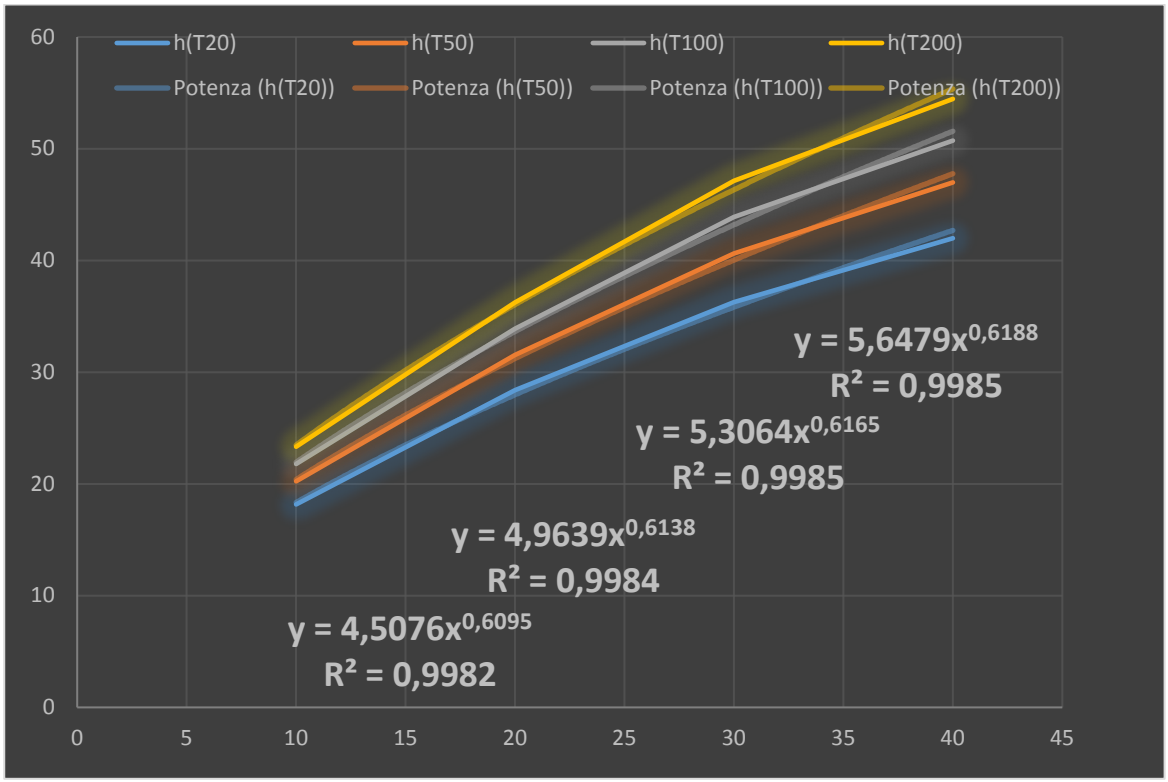


1.1.8 Comune di Montoro

Stazione pluviometrografica: loc. San Pietro

	10 min	20 min	30 min	40 min
media	12,8533	20,28	25,0667	29,16
dev.st.	2,84903	4,34103	6,0027	6,87904
alfa	0,45033	0,29555	0,21374	0,18651
upsilon	11,5713	18,3265	22,3655	26,0644
	10	**20**	**30**	**40**
h(T20)	18,1669	28,3762	36,2619	41,9897
h(T50)	20,2359	31,5288	40,6212	46,9854
h(T100)	21,7864	33,8912	43,8879	50,729
h(T200)	23,3311	36,2449	47,1427	54,4589

	a (mm/min)	n	R^2
h(T20)	4,508	0,609	0,998
h(T50)	4,964	0,614	0,998
h(T100)	5,306	0,616	0,998
h(T200)	5,648	0,619	0,998

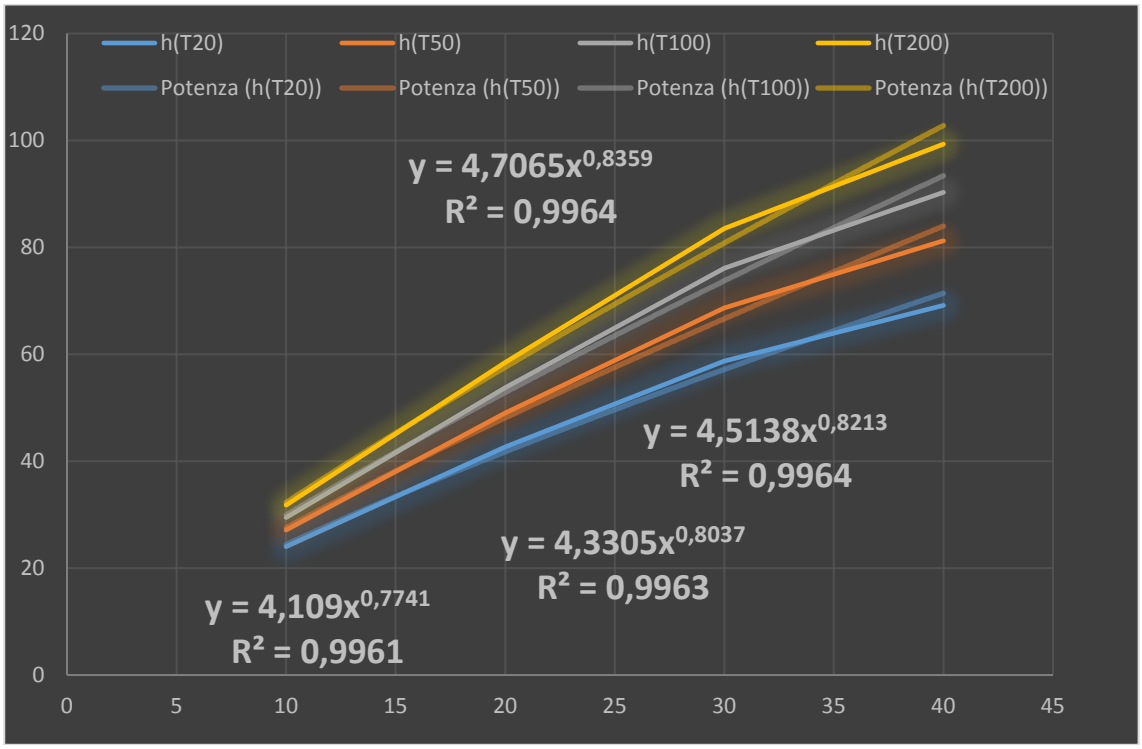


1.1.9 Comune di Solofra

Stazione pluviometrografica: loc. Balsami

	10 min	20 min	30 min	40 min
media	16,0267	26,4667	33,1467	38,1067
dev.st.	4,2841	8,71015	13,7029	16,6435
alfa	0,29948	0,1473	0,09363	0,07709
upsilon	14,0988	22,5471	26,9804	30,6171
	10	**20**	**30**	**40**
h(T20)	24,0167	42,7114	58,703	69,1474
h(T50)	27,1279	49,0369	68,6544	81,2342
h(T100)	29,4593	53,777	76,1115	90,2916
h(T200)	31,7822	58,4998	83,5414	99,316

	a (mm/min)	n	R^2
h(T20)	4,109	0,774	0,996
h(T50)	4,331	0,804	0,996
h(T100)	4,514	0,821	0,996
h(T200)	4,706	0,836	0,996

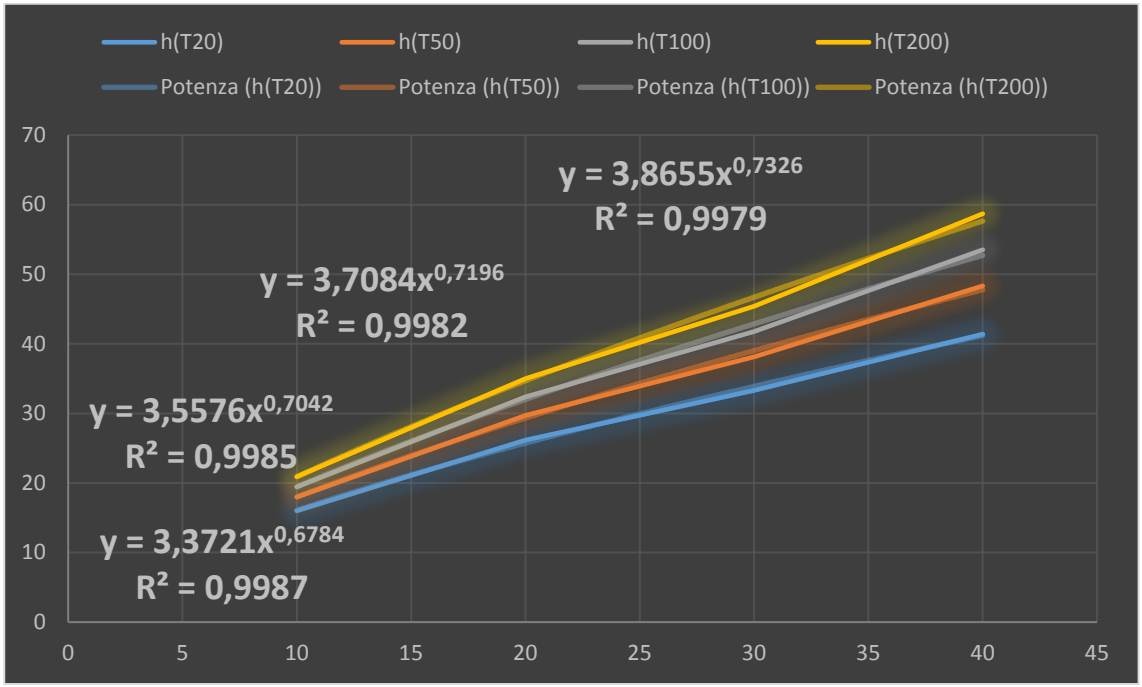


1.1.10 Comune di San Marzano sul Sarno

Stazione pluviometrografica:

	10 min	20 min	30 min	40 min
media	10,95	17,1	20,875	23,6
dev.st.	2,70819	4,8709	6,66499	9,54328
alfa	0,47375	0,2634	0,1925	0,13444
upsilon	9,73132	14,9081	17,8758	19,3055
	10	**20**	**30**	**40**
h(T20)	16,0009	26,1844	33,3055	41,3986
h(T50)	17,9676	29,7218	38,1457	48,3291
h(T100)	19,4414	32,3725	41,7728	53,5226
h(T200)	20,9098	35,0136	45,3867	58,6971

	a (mm/min)	n	R^2
h(T20)	3,372	0,678	0,999
h(T50)	3,558	0,704	0,998
h(T100)	3,708	0,72	0,998
h(T200)	3,865	0,732	0,998

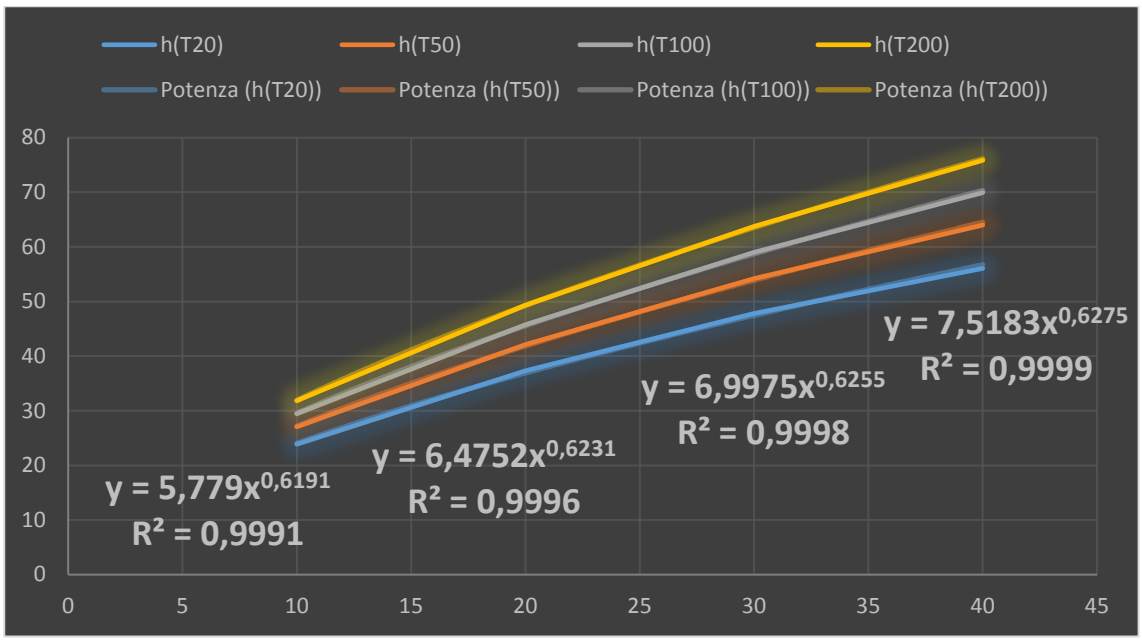


1.1.11 Comune di Lettere

Stazione pluviometrografica:

	10 min	20 min	30 min	40 min
media	15,6667	25,0133	31,44	35,7067
dev.st.	4,39913	6,61274	8,79129	10,915
alfa	0,29165	0,19402	0,14594	0,11755
upsilon	13,6871	22,0376	27,4839	30,7949
	10	**20**	**30**	**40**
h(T20)	23,8712	37,3464	47,8361	56,0635
h(T50)	27,066	42,1487	54,2205	63,9902
h(T100)	29,46	45,7473	59,0048	69,9301
h(T200)	31,8453	49,3329	63,7716	75,8484

	a (mm/min)	n	R^2
h(T20)	5,779	0,619	0,999
h(T50)	6,475	0,623	1,000
h(T100)	6,998	0,625	1,000
h(T200)	7,518	0,627	1,000

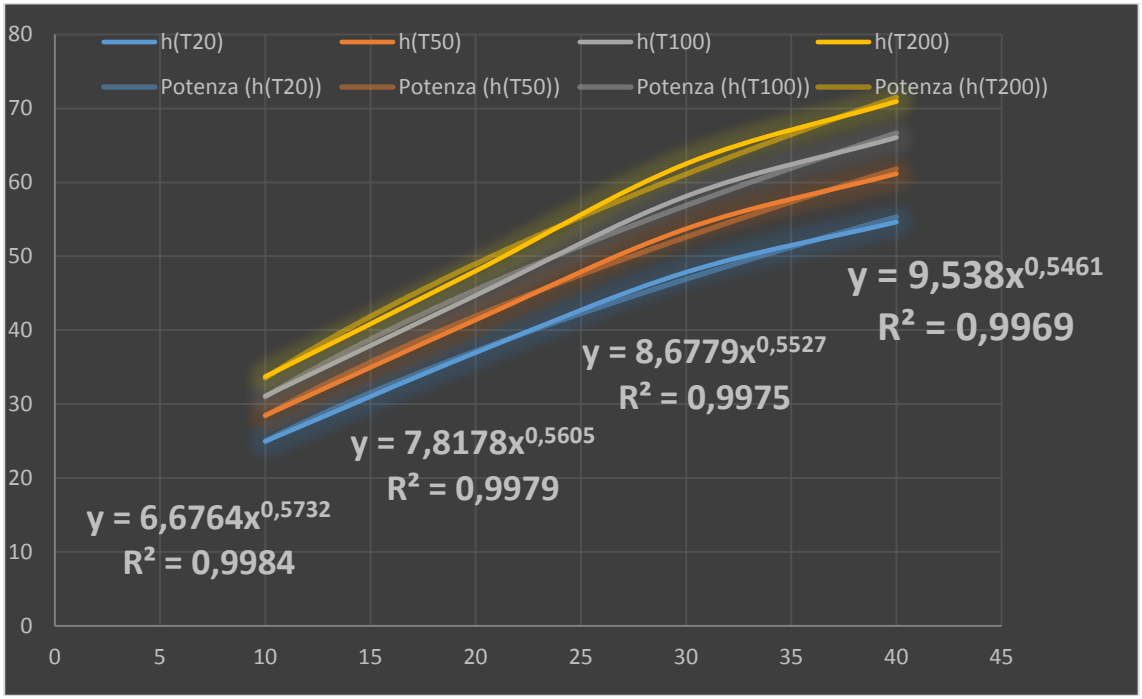


1.1.12 Comune di Gragnano

Stazione pluviometrografica:

	10 min	20 min	30 min	40 min
media	15,9571	25,6	32,7429	37,8571
dev.st.	4,82887	6,09262	8,09347	8,99485
alfa	0,26569	0,21058	0,15852	0,14264
upsilon	13,7841	22,8583	29,1008	33,8095
	10	**20**	**30**	**40**
h(T20)	24,9632	36,963	47,8375	54,6329
h(T50)	28,47	41,3876	53,7151	61,1651
h(T100)	31,0979	44,7032	58,1196	66,0602
h(T200)	33,7162	48,0067	62,508	70,9373

	a (mm/min)	n	R^2
h(T20)	6,676	0,573	0,999
h(T50)	7,818	0,56	0,998
h(T100)	8,678	0,553	0,998
h(T200)	9,538	0,546	0,997

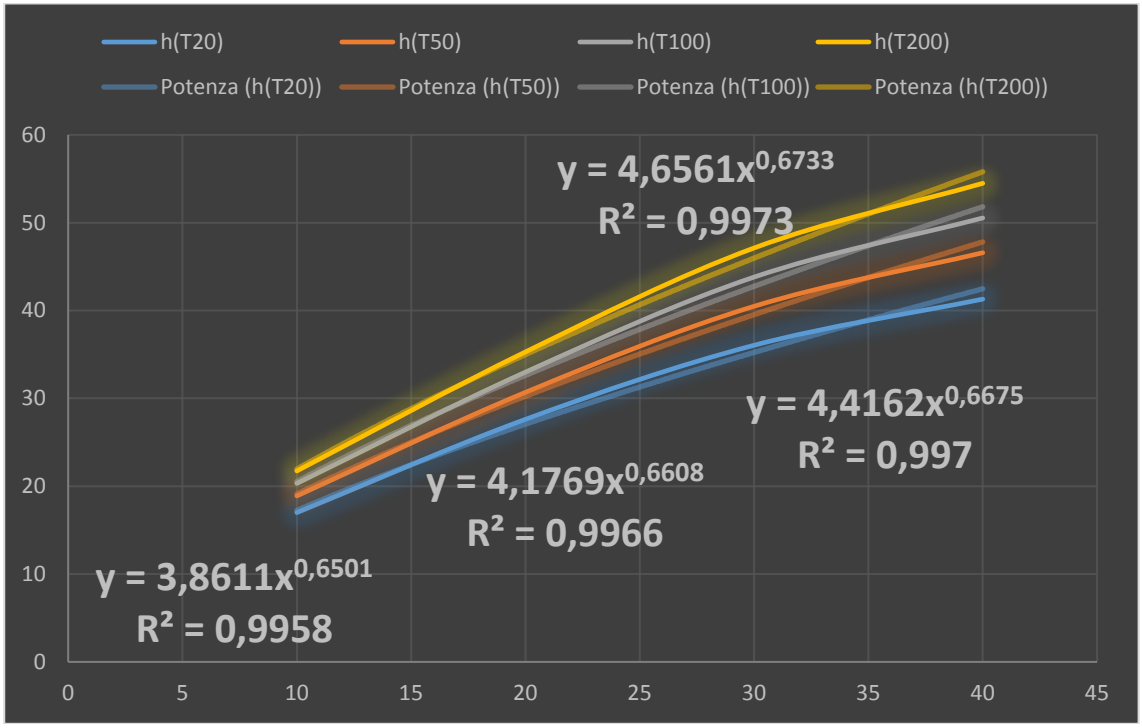


1.1.13 Comune di Bracigliano

Stazione pluviometrografica: loc. Cetronico

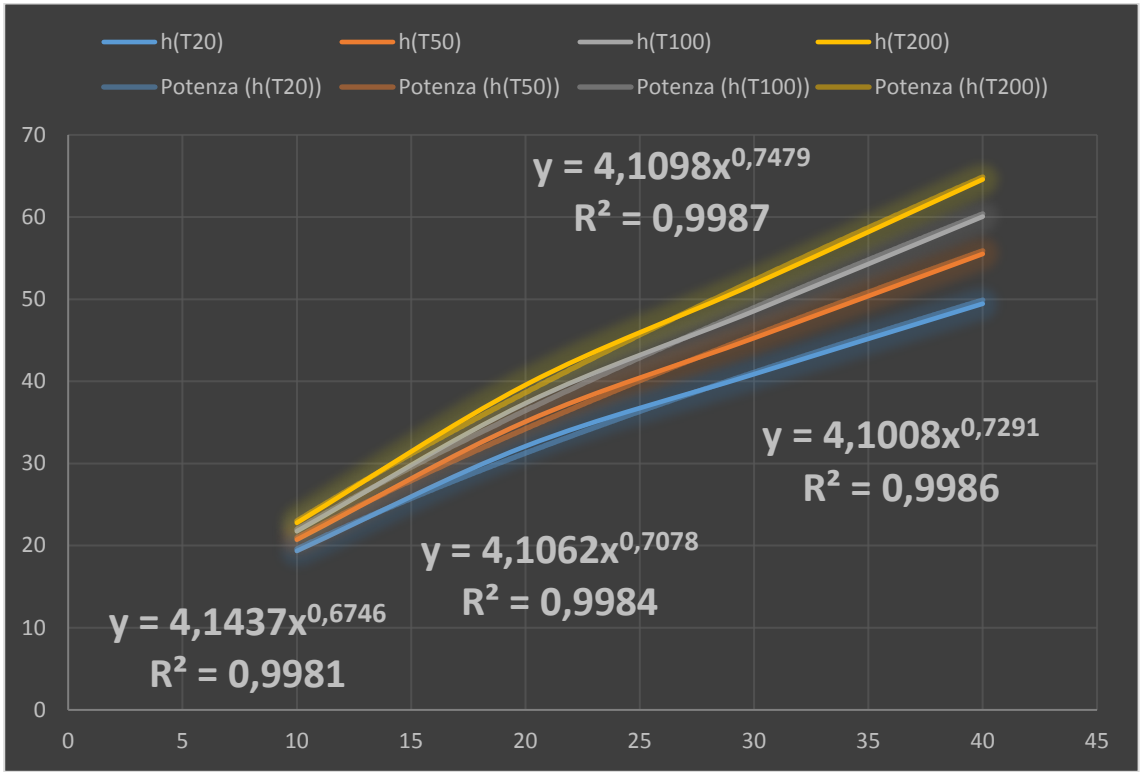
	10 min	20 min	30 min	40 min
media	12,12	19,72	24,6533	27,7333
dev.st.	2,61512	4,23374	6,11016	7,27409
alfa	0,49061	0,30304	0,20998	0,17638
upsilon	10,9432	17,8148	21,9038	24,46
	10	**20**	**30**	**40**
h(T20)	16,9973	27,6161	36,049	41,2998
h(T50)	18,8965	30,6907	40,4864	46,5824
h(T100)	20,3196	32,9947	43,8115	50,541
h(T200)	21,7376	35,2903	47,1246	54,4851

	a (mm/min)	n	R^2
h(T20)	3,861	0,65	0,996
h(T50)	4,177	0,661	0,997
h(T100)	4,416	0,667	0,998
h(T200)	4,656	0,673	0,997



1.1.14 Comune di Palma Campania

Stazione pluviometrografica:

	10 min	20 min	30 min	40 min
media	15,825	24,425	29,6	33,875
dev.st.	1,88963	4,11469	6,04649	8,34878
alfa	0,67897	0,31181	0,21219	0,15368
upsilon	14,9747	22,5734	26,8791	30,118
	10	**20**	**30**	**40**
h(T20)	19,3492	32,0991	40,8769	49,4458
h(T50)	20,7215	35,0873	45,268	55,5089
h(T100)	21,7499	37,3265	48,5585	60,0523
h(T200)	22,7745	39,5575	51,837	64,5791

	a (mm/min)	n	R^2
h(T20)	4,144	0,675	0,998
h(T50)	4,106	0,708	0,998
h(T100)	4,101	0,729	0,998
h(T200)	4,110	0,748	0,999