



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura **Basile Caramia**



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



Capacity Building and Raising Awareness in Europe and in Third Countries
to Cope with *Xylella fastidiosa* – “CURE-XF”

CURE-XF
1ST INTERNATIONAL SUMMER SCHOOL
ON

**“*XYLELLA FASTIDIOSA*:
DETECTION, EPIDEMIOLOGY AND CONTROL MEASURES”**

CIHEAM Bari – CNR-IPSP – CRSFA – UNIBA

10 September – 17 October 2018



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



SESSION 1: 10 – 21 SEPTEMBER 2018

Biology, genetics and pathogen-host-interaction

10 September 2018

9:00 am - 12 noon: Official opening of the course

- Welcome speech by the Organizers (CIHEAM Bari – CNR-IPSP – CRSFA – UNIBA)
- Presentation of the H2020-MSCA-RISE-2016 Programme and the project CURE-XF (M. El Moujabber, Project Coordinator, CIHEAM Bari)
- Presentation of the objectives and program of the course (M. El Moujabber, Project Coordinator, CIHEAM Bari)

3:00 -5:00 pm: Administrative issues (S. Centonze, CIHEAM Bari)

11 September 2018

9:00 am -12:30 pm: Introduction on *Xylella fastidiosa*: the bacterium, the vectors and main diseases worldwide (A.M. D'Onghia, CIHEAM Bari)

3:00 -5:00 pm: Rural development in the Mediterranean trough women empowerment (R. Quagliariello & C. Ciannamea, CIHEAM Bari)

12 September 2018

9:00 am - 12 noon: Participants' presentations per group of country (2 slides each to introduce themselves and to explain what they expect form the course

Free afternoon for administrative issues

13 September 2018

9:00 am - 12 noon: Insight into host-pathogen interactions (P. Saldarelli, CNR)

3:00 - 5:00 pm: Practical session on pathogenicity studies (artificial inoculations, symptom scoring) (M. Saponari, CNR & F. Valentini, CIHEAM Bari)

14 September 2018

Field trip in the infected area (F. Valentini, CIHEAM Bari)

17 September 2018

9:00 am - 12 noon: *Xylella fastidiosa* in Italy and Spain: current situation (D. Boscia, CNR also with presentation by E. Marco Noales, IVIA)

18-19-20 September 2018

2nd MedForum for PhD Students and Young Researchers

21 September 2018

9:00 am - 12 noon & 3:00 - 5:00 pm: Introduction to bacterial genomics and insights into the genetics of *Xylella fastidiosa*, theory and practical sessions (B. Landa & J. Imperial, CSIC)



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



SESSION 2: 24 - 28 September 2018

Diagnosis and strain characterization

24 September 2018

9:00 am - 12 noon: *Continuation* Bacterial genomics and the genetics of *Xylella fastidiosa*, theory and practical sessions (B. Landa & J. Imperial, CSIC)

25 September 2018

Detection and identification of *Xylella fastidiosa* in host plants and vectors (theory)

9:00 am - 12 noon: Tools for monitoring and surveillance (F. Valentini & F. Santoro, CIHEAM Bari) & Field Sampling (F. Valentini & S. Gualano, CIHEAM Bari)

3:00 - 5:00 pm: Molecular approaches (G. Loconsole, UNIBA) & Serological approaches (K. Djelouah (CIHEAM Bari)

26 September 2018

Practical sessions at CIHEAM Bari labs (2 groups)

9:00- 12 noon: ELISA, DTBIA (K. Djelouah, CIHEAM Bari), Lamp on host plants and insect vectors (G. Loconsole, UNIBA & and R. Abou Kubaa, CNR)

3:00-5:00 pm: ELISA, DTBIA (K. Djelouah, CIHEAM Bari), Lamp on host plants and insect vectors (G. Loconsole, UNIBA & and R. Abou Kubaa, CNR)

27 September 2018

Departure for CRSFA Locorotondo -9:00 am – 10:00 (theory): EPPO protocol (M. Saponari, CNR)

10:00 am- 12 noon: Practical session in the laboratories on total nucleic acid extraction, conventional PCR and qPCR (CNR, UNIBA, CRSFA)

3:00–5:0 pm: Practical sessions in the laboratories on total nucleic acid extraction, conventional PCR and qPCR (CNR, UNIBA, CRSFA)

28 September 2018

Field trip for sampling demonstration: Brindisi area – 7am (F. Valentini, G. Cavallo, V. Vignale, CIHEAM Bari & F. Palmisano, CRSFA).

Social lunch in Mola di Bari



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



SESSION 3: 1 - 9 October 2018

Control, containment and management measures

1 October 2018

9:00 am - 12 noon & 3:00 - 5:00 pm: Modelling the spread of *Xylella fastidiosa* for improving the surveillance programs (D. Chapman, UKRI)

2 October 2018

9:00 am - 12 noon & 3:00 - 5:00 pm: Analysis for Pest risk assessment of *Xylella fastidiosa* (J.A. Navas-Cortes, IVIA)

3 October 2018

9:00 am -12 noon: Insect vectors of Xf pauca ST53 OQDS: a chain of events peaking to transmission. (F. Porcelli, UNIBA)

3:00 - 5:00 pm: Control of insect vectors (E. Dongiovanni, CRSFA)

4 October 2018

9:00 am -12 noon & 3:00 - 5:00 pm: Approaches for trapping insect vectors (H. Nayem, Russel IPM)

5 October 2018

9:00 am -12 noon & 3:00 - 5:00 pm: Practical sessions: Insect collection and in-field identification (E. Dongiovanni, CRSFA V. Cavalieri, CNR F. Porcelli, UNIBA)

8 October 2018

9:00 am -12 noon & 3:00 - 5:00 pm: Tools for bacterial control: genetic resistance and other applications (F. La Notte, CNR)

9 October 2018

Field trip - Genetic resistance and other applications (F. La Notte, CNR)



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



Session 4: 10 - 17 October 2018

Socio-economic impacts and requirements of the EU phytosanitary legislation

10 October 2018

9:00 am -12 noon: Phytosanitary measures and EU legislation on *X. fastidiosa* (D. Boscia, CNR)

3:00 - 5:00 pm: EFSA Scientific opinion on *Xylella fastidiosa* (C. Bragard, UCL)

11 October 2018

9:00 am -12 noon: Surveys for early detection and prevention of entry of *Xylella fastidiosa* in Greece, in compliance to the EU phytosanitary legislation (M. Holeva, BPI)

12-12:30: Presentation of Save the Olives Onlus (C. Parma, CIHEAM Bari)

3:00 – 4:30 pm: *Xylella* terminology: ten tips (M. Marini & E. Lapedota, CIHEAM Bari)

12 October 2018

9:00 am -12 noon: Stakeholder' perception of *Xylella fastidiosa*: disease Risk assessment: first results from Puglia (IT), Chania (GR), Valencia and Andalucia (ES) (C. Bogliotti & G. Ladisa, CIHEAM Bari)

15-16 October 2018

CURE-XF Mid-Term Meeting

17 October 2018

9:00 am - 12 noon: *Xylella fastidiosa*: current situation in France (M.A. Jacques, INRA)

4:00 – 5:00 pm: Diploma awarding ceremony



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



LIST OF PARTICIPANTS

Participants	Email	Country
Souheyla Khechmar	kh.souhila@live.fr	Algeria
Rabab Mohamed	rab.m.sultan@gmail.com	Egypt
Ashraf Aly	aabdelrahman2012@gmail.com	Egypt
El Shaimaa Mohamed	noradham204@yahoo.com	Egypt
Omnia Elfar	Omnia11ahmed@gmail.com	Egypt
Davood Ghanbari	gh.davood21@yahoo.com	Iran
Jebraeil Bahmani	jeb.bahmani@gmail.com	Iran
Simin Sabaghian	samin.vic@gmail.com	Iran
Yaseen Rahi	gundyy@yahoo.com	Iraq
Raffaele Laricchia	raffaelelaricchia89@gmail.com	Italy
Elena Santilli	elena.santilli@crea.gov.it	Italy
Zeinab Alsaheli	zeinabsa7li@hotmail.com	Lebanon
Elia Choueiri	echoueiri@lari.gov.lb	Lebanon
Fouad Jreijiri	efjreijiri@hotmail.com	Lebanon
Zinette Moussa	zmousa@lari.gov.lb	Lebanon
Anastasija Dimitrova	anastazijadimitrova@hotmail.com	Macedonia
El Hassan Achbani	achbani105@gmail.com	Morocco
Rachid Bouharroud	bouharroud@yahoo.fr	Morocco
Arafat Hanani	Arafat.hanani@hotmail.com	Palestine
Ferran Salavert	ferransalavert@gmail.com	Spain
María del Pilar Velasco	mapilu94@gmail.com	Spain
Sonia Bouhachem	bouhachems@gmail.com	Tunisia
Nada Lahbib	nadalahbib48@gmail.com	Tunisia
Naima Mahfoudi	naimmahfoudhi@gmail.com	Tunisia
Flora Donald	flodon@ceh.ac.uk	UK



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia

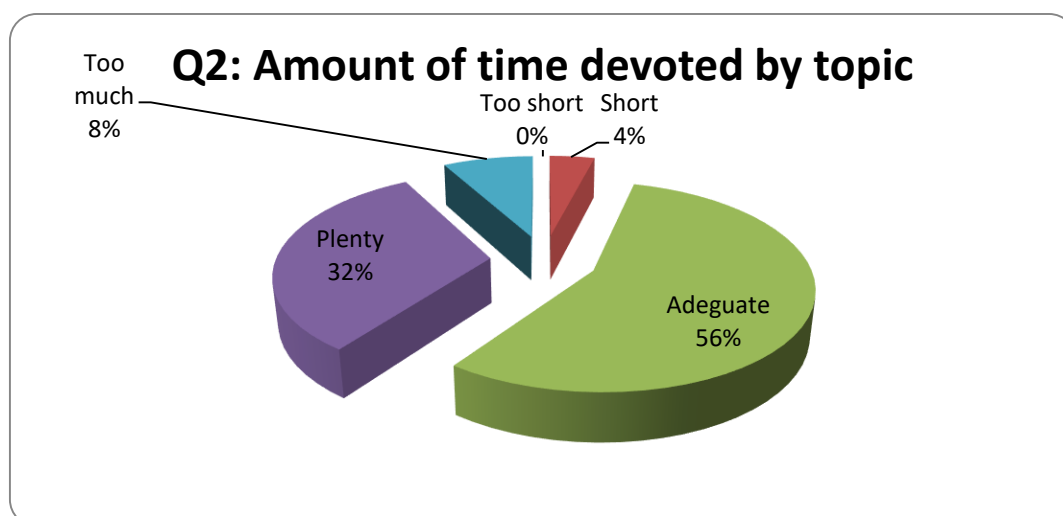
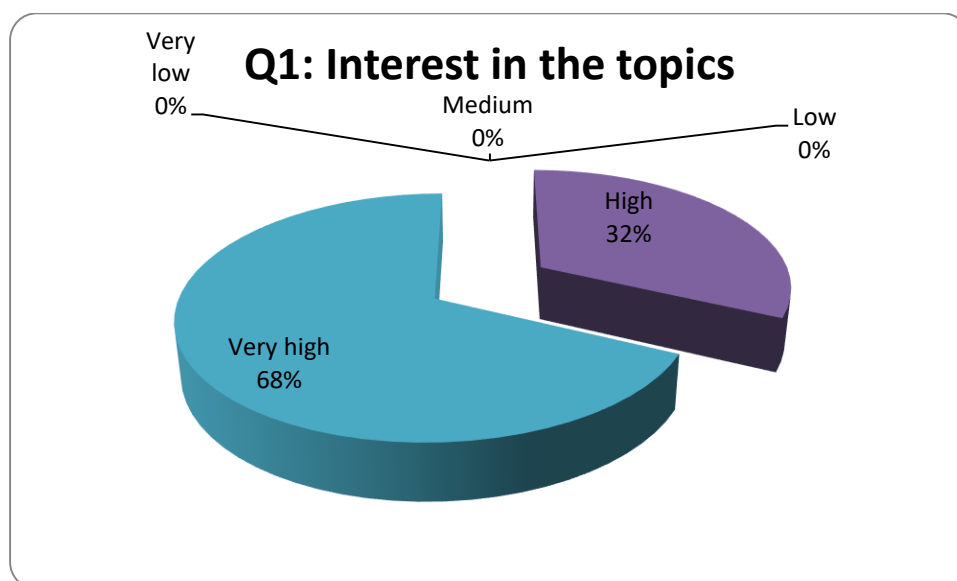


H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



RESULTS OF THE PARTICIPANTS EVALUATION OF THE SUMMER SCHOOL





UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI

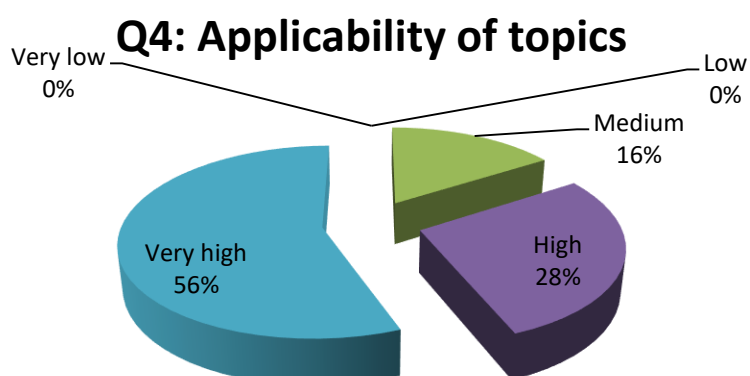
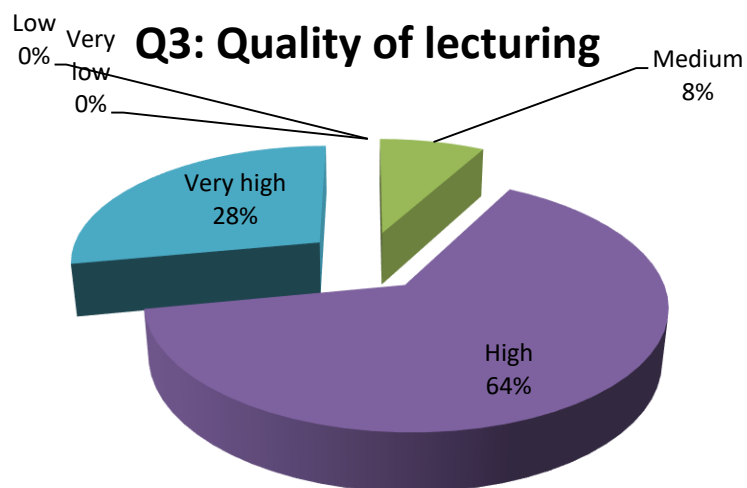


Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:





UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia

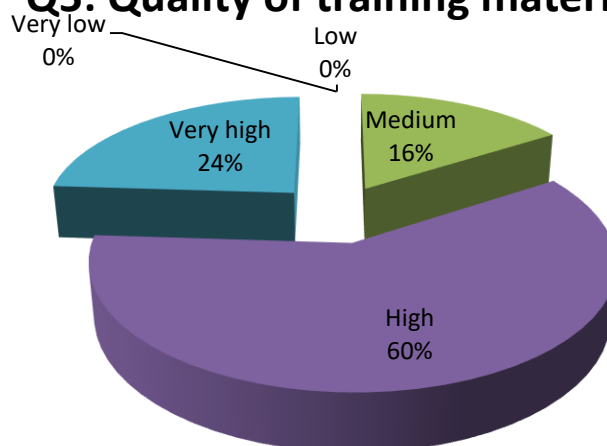


H2020-MSCA-RISE-
2016 CURE-XF - 734353

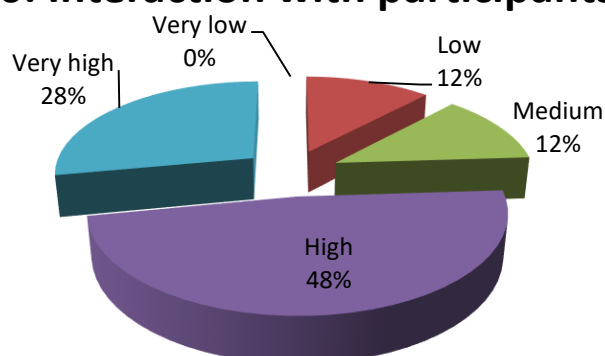
In collaboration with:



Q5: Quality of training material



Q6: Interaction with participants





UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia



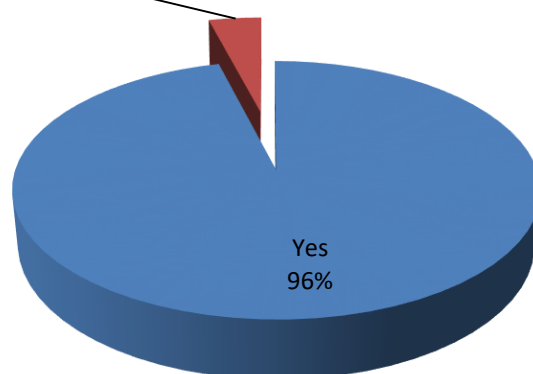
H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



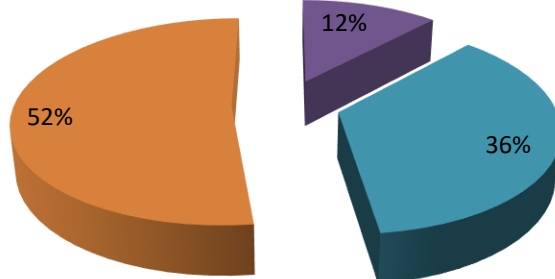
Q7: New concepts & methods

No
4%



Q8.1: Scoring the program (from 0 to 5)

0% 0% 0%



0
1
2
3
4
5



UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia

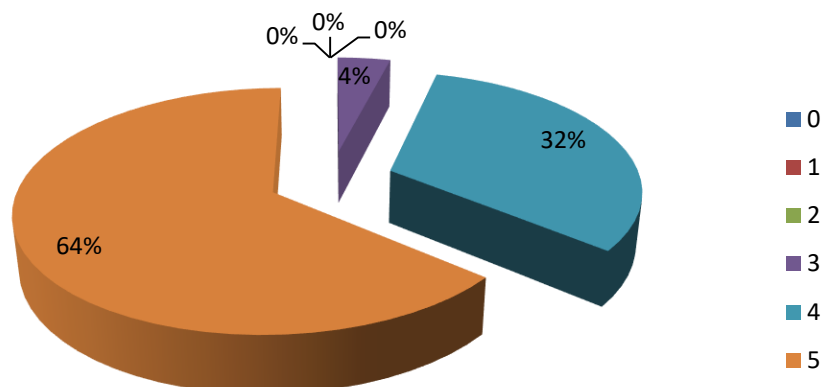


H2020-MSCA-RISE-
2016 CURE-XF - 734353

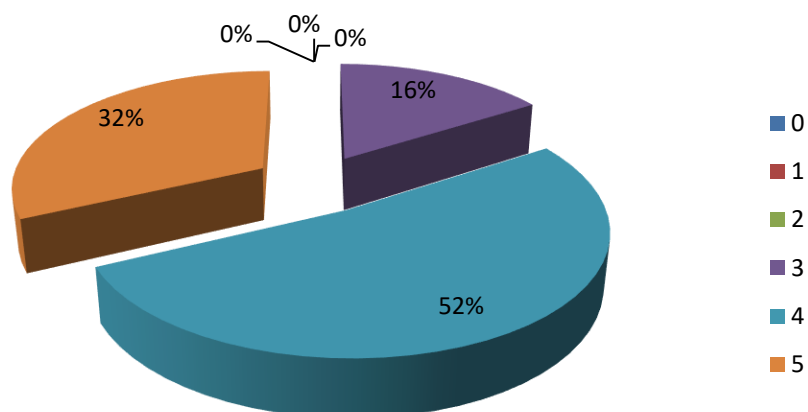
In collaboration with:



Q8.2: Scoring lectures (from 0 to 5)



Q8.3: Scoring educational method





UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia

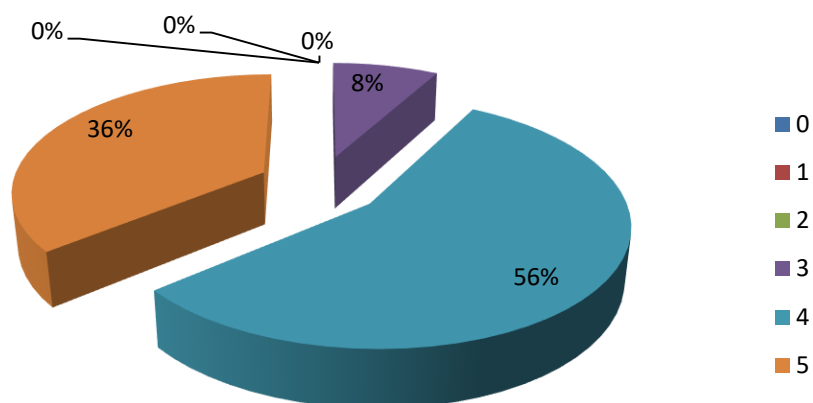


H2020-MSCA-RISE-
2016 CURE-XF - 734353

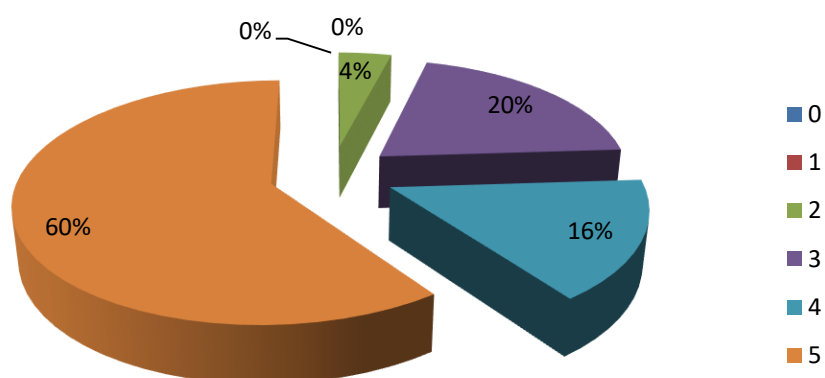
In collaboration with:



Q8.4: Level of training (from 0 to 5)



Q8.5: Scoring quality of organization





UNIBA ALDO MORO
DIPARTIMENTO DI
SCIENZE DEL SUOLO, DELLA
PIANTA E DEGLI ALIMENTI



Centro di Ricerca
Sperimentazione e Formazione
in Agricoltura Basilica Caramia

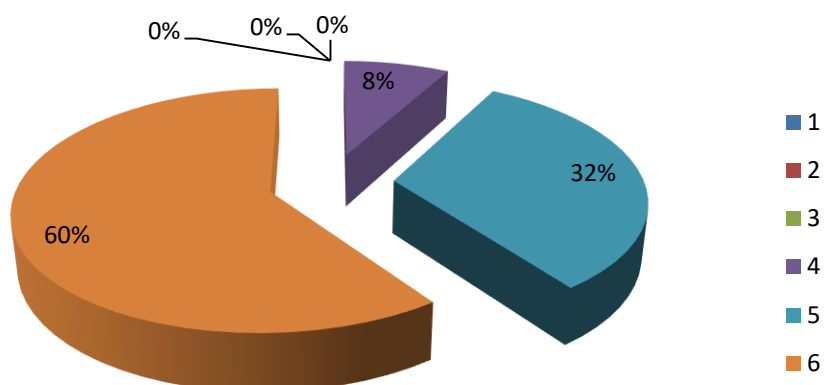


H2020-MSCA-RISE-
2016 CURE-XF - 734353

In collaboration with:



Q8.6: Scoring benefits



Q12: Overall rating

