

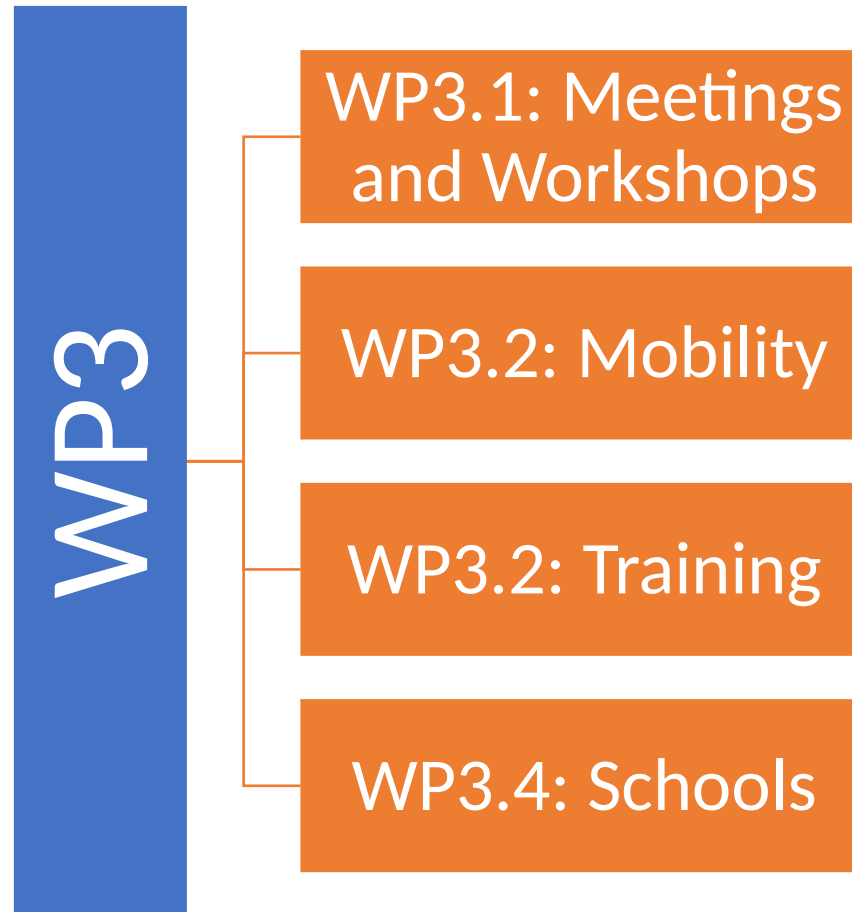
SOLARNET: High-resolution Solar Physics Network

WORK PACKAGE 3
NA2: Network activities
to foster synergistic collaborations

2nd SOLARNET General Assembly

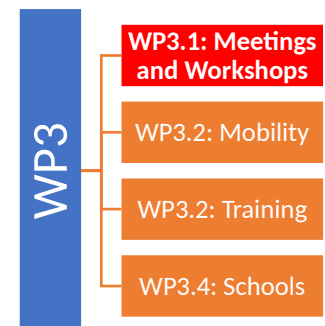
5th February 2021

Francesca Zuccarello



WP3.1 Meetings

	Time	Title	Location	Org.
	Y2/Q3 (5-9 Oct 2020) POSTPONED	Sun and Society	Italy (Venice)	UToV
	Y3/Q3 (20 -24 Sept 2021)	The Many Scales of the Magnetic Sun	Germany (Potsdam, (Telegrafenberg))	AIP
	Y4/Q3 (Sept 2022)	The Sun as a paradigm in astrophysics	Italy (Catania)	UNICT



Meeting 1

Sun and Society

Organizer: Francesco Berrilli (UToV)



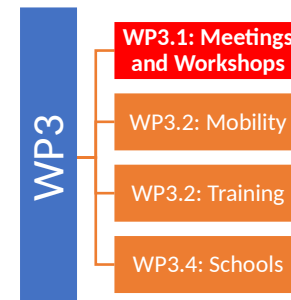
[Profile](#) [Programme](#) [Dates](#) [Registration and payment](#) [Venue/ Hotel/ Travel](#) [Contributions](#) [Participants](#)

SOLARNET International Conferences
Sun and Society

Date: 5–9 October 2020 **POSTPONED TO 2021**

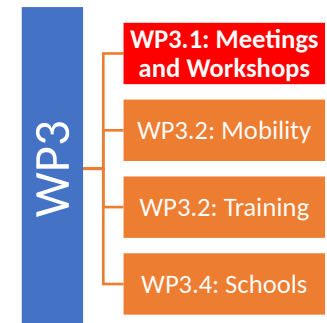
Venue: Venice International University (VIU) in the island of San Servolo (Venice) (?)

- **DUE TO THE STILL ON-GOING COVID-19 PANDEMIC, WE NEED TO REVISE THE ENTIRE MEETING SCHEDULE**

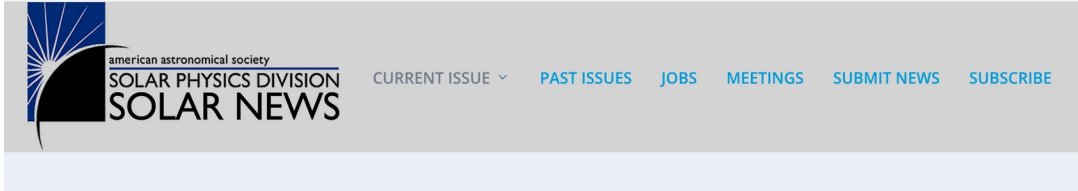
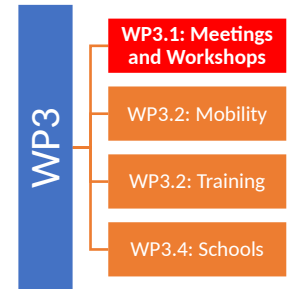


WP3.1 Meetings: PROPOSAL FOR A NEW SCHEDULE

Time	Title	Location	Org.
20 -24 SEPT 2021	The Many Scales of the Magnetic Sun	Germany (Potsdam, (Telegrafenberg))	AIP
May 2022 or September 2022	Sun and Society + The Sun as a paradigm in astrophysics	Italy (place TBD)	UToV + UNICT



Workshops



Two deadlines per year: June 30th and December 31st.

The selection of the granted proposals is announced on July 15th and January 15th.

Proposals are handled by the **SOLARNET Workshop Evaluation Committee.**

SOLARNET – Call for Proposals for Workshop Organization in Solar Physics

Posted by Tirtha Som | March 31, 2020 | [General news](#)

Proposals are hereby invited under the SOLARNET Programme "Network activities to foster synergistic collaborations" for the organization of Workshops. The topics of the Workshops should reflect newly emerging topics in the field of high-resolution solar physics.

EC funds (up to a maximum of 10,000 €) will be provided to support organizational costs and travel expenses for invited speakers and travel grants for young researchers.

Applications are welcome at any time during the execution of this project, with two deadlines per year: June 30th and December 31st. The selection of the granted proposals will be announced on July 15th and January 15th.

Information details on the application procedure, nationality rules, and other requirements are available at: <https://solarnet-project.eu/Call-for-Workshop-Organization>.

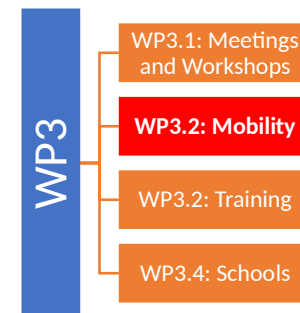
Composition of the SOLARNET Workshop Evaluation Committee:

- ❖ Francesco Berrilli, UNITOV, Italy
- ❖ Markus Roth, KIS, Germany
- ❖ Meetu Verma, AIP, Germany
- ❖ Francesca Zuccarello, UNICT, Italy

WP3.2: Mobility of ESRs and senior researchers (Lead: UNICT)

WP3.2 is aimed at promoting visits of **PhD students, young post-docs** and **senior researchers** at host institutions.

- ❑ Periodic Calls (2 Calls per year)
- ❑ Evaluation of the applicant's proposals by a Committee (MEC)
- ❑ 30 ESRs and 15 senior researchers
- ❑ Funds for this activity: **120 k€**



Members of the Mobility Evaluation Committee

Michele Bianda, IRSOL, Switzerland
 Robertus von Fay-Siebenburgen, U. of Sheffield, UK
 Peter Gomory, AISAS, Slovakia
 Arnold Hanslmeier, U. of Graz, Austria
 Sarah Matthews, UCL-MSSL, UK
 Francesca Zuccarello, UNICT, Italy

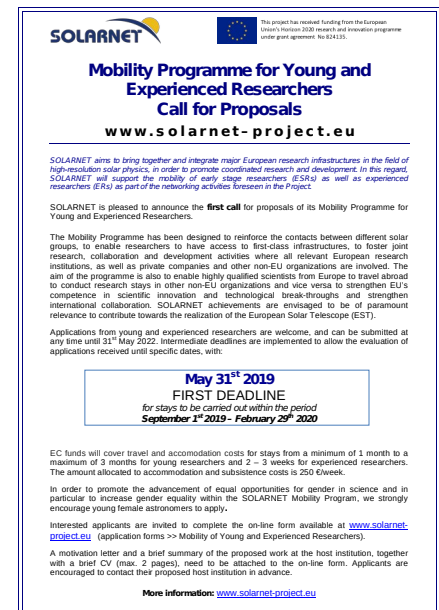
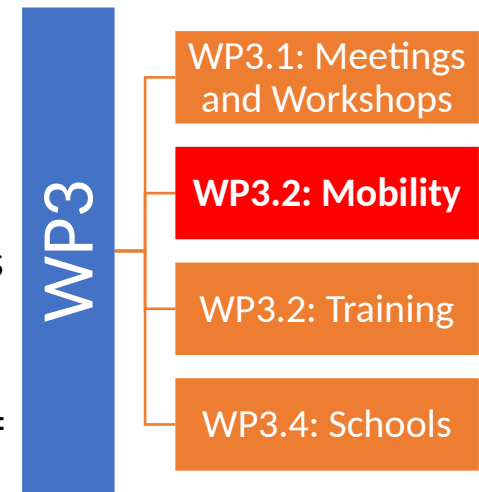
SOLARNET'S International Mobility Programme
<https://solarnet-project.eu/Mobility-Programmes>


Partners and logos include: Fraunhofer IOSB, NINS, INAF, Hes-50, Skoltech, The University of Sheffield, Northumbria University, Max Planck Institute for Solar System Research, and various national research centers and universities.

WP3.2: Mobility of ESRs and senior researchers (Lead: UNICT)

- **1st Mobility Call:** April 15th, 2019 (number of applications received: 7 ESRs and 1 Senior Researcher);
- **2nd Mobility Call:** October 15th, 2019 (number of applications received: 11 ESRs and 4 Senior Researcher);
- **3rd Mobility Call:** April 15th, 2020 (number of applications received: 8 ESR);
- **4th Mobility Call:** Call Postponed

Several ESRs and Senior Researchers granted with the 3rd Mobility Call had to interrupt and/or postpone their stays at the Host Institutions (Covid-19 pandemia effects)



SOLARNET  This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824135.

**Mobility Programme for Young and Experienced Researchers
Call for Proposals**
www.solarnet-project.eu

SOLARNET aims to bring together and integrate major European research infrastructures in the field of high-resolution solar physics, in order to promote coordinated research and development. In this regard, SOLARNET will support the mobility of early stage researchers (ESRs) as well as experienced researchers (ERs) as part of the networking activities foreseen in the Project.

SOLARNET is pleased to announce the **first call** for proposals of its Mobility Programme for Young and Experienced Researchers.

The Mobility Programme has been designed to reinforce the contacts between different solar groups, to enable researchers to have access to first-class infrastructures, to foster joint research, collaboration and development activities where all relevant European research institutions, as well as private companies and other non-EU organizations are involved. The aim of the programme is also to enable highly qualified scientists from Europe to travel abroad to conduct research stays in other non-EU organizations and vice versa to strengthen EU's competence in scientific innovation and technological break-throughs and strengthen international collaboration. SOLARNET achievements are envisaged to be of paramount relevance to contribute towards the realization of the European Solar Telescope (EST).

Applications from young and experienced researchers are welcome, and can be submitted at any time until 31st May 2022. Intermediate deadlines are implemented to allow the evaluation of applications received until specific dates, with:

May 31st 2019
FIRST DEADLINE
for stays to be carried out within the period
September 2nd 2019 - February 29th 2020

EC funds will cover travel and accommodation costs for stays from a minimum of 1 month to a maximum of 3 months for young researchers and 2 - 3 weeks for experienced researchers. The amount allocated to accommodation and subsistence costs is 250 €/week.

In order to promote the advancement of equal opportunities for gender in science and in particular to increase gender equality within the SOLARNET Mobility Program, we strongly encourage young female astronomers to apply.

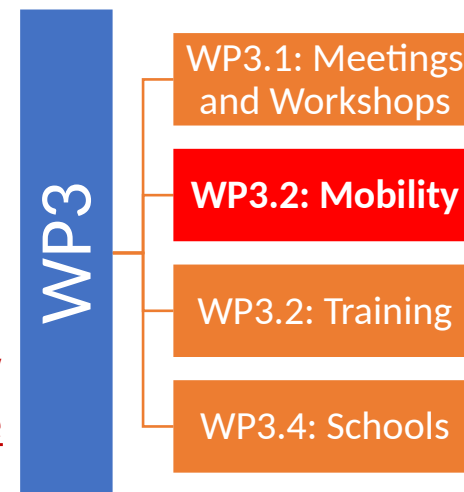
Interested applicants are invited to complete the on-line form available at www.solarnet-project.eu (application forms >> Mobility of Young and Experienced Researchers).

A motivation letter and a brief summary of the proposed work at the host institution, together with a brief CV (max. 2 pages), need to be attached to the on-line form. Applicants are encouraged to contact their proposed host institution in advance.

More information: www.solarnet-project.eu

WP3.2: Mobility of ESRs and senior researchers (Lead: UNICT)

- Decision agreed during the SOLARNET Mid-Term Review Meeting: due to the Covid-19 pandemia, Mobility Calls are suspended till when the situation will improve.
- We should consider a new possibility: *Mobility through remote mentoring*
- Another goal to be reached: *promote mobility and exchange between scientific institutions and industrial partners*



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Mobility Programme for Young and Experienced Researchers
Call for Proposals
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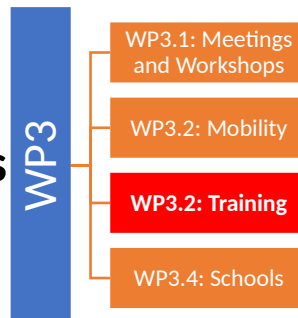
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A motivation letter and a brief summary of the proposed work at the host institution, together with a brief CV (max. 2 pages), need to be attached to the on-line form. Applicants are encouraged to contact their proposed host institution in advance.

More information: www.solarnet-project.eu



WP3.3: Training for Solar Observers — A week above the clouds (Lead: KIS)

Status	Time	Activity	Lecturers	Location	Org.
Done	Y1 (5 – 9 <u>August</u> 2019)	Solar telescopes GREGOR and VTT	A. Ramos (IAC) C. Fischer (KIS) C. Kuckein (AIP) A. Leonard (Aperio Software Ltd.) R. Schlichenmaier (KIS) W. Schmidt (KIS) N. Vitas (IAC)	Canarian Islands	KIS
Cancelled due to COVID 19	Y2 (Summer 2020)	Solar telescopes GREGOR and VTT	TBD	Canarian Islands	KIS
Organisation to be planned	Y3 (Summer 2021)	Solar telescopes GREGOR and VTT	TBD ???	Canarian Islands	KIS
Organisation to be planned	Y4 (Summer 2022)	Solar telescopes GREGOR and VTT	TBD	Canarian Islands	KIS



WP3.4: Summer / Winter Schools (Lead: UNICT)

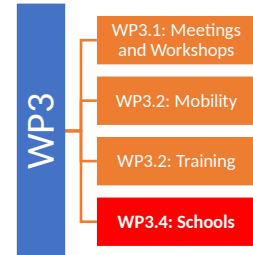
- o Expected number of participants in each School: ~ **25-30 ESRs.**
- o EC funds, per event: **(20 k€/event)**, are provided to support **organizational costs and travel expenses for young researchers and invited speakers.**

Time	Schools	Location	Org.
(9 - 14 Sept 2019)	<i>Solar spectropolarimetry: From real to virtual observations</i>	Switzerland (Lugano)	USI/IRSOL
POSTPONED TO 25 - 29 JANUARY 2021 (ON-LINE)	A holistic view of the solar atmosphere – combining space and ground-based observations	UK (MSSL)	MSSL/UCL
POSTPONED to August 30 -September 3, 2021	<i>High-resolution solar observations</i>	Austria (Graz)	UNIGRAZ
May 2021 ☐ postponed to APRIL 2022	Solar corona - complex research from ground-base and space	Slovakia (Tatranska-Lomnica)	AISAS
May 2022 ☐ postponed to SEPTEMBER 2022	<i>Solar atmospheric dynamics - From waves to instabilities and jets</i>	Hungary (GSO, Gyula)	USFD

School n.1: Solar spectropolarimetry: From real to virtual observations (Switzerland, USI/IRSOL)

❖ **Date: 9 – 14 September 2019**



- ❖ The School provided an introduction to modern spectropolarimetry, forward modeling, simulations, and virtual observations.
- ❖ There were practical sessions, in which the students could work on codes.
- ❖ Visits to the observing facilities at IRSOL and the supercomputer facilities at CSCS in Lugano.
- ❖ Applications: 31
- ❖ Attending students: 25 (6 females, 19 males)
- ❖ SOC: Luca Belluzzi, Michele Bianda, Rolf Krause, Maria G.C. Nestola, Renzo Ramelli, Oskar Steiner, Francesca Zuccarello



School n.2: “A holistic view of the solar atmosphere – combining space and ground-based observations”

January 25-29, 2021

UCL – Mullard Space Science Laboratory (Dorking, UK) - On-line

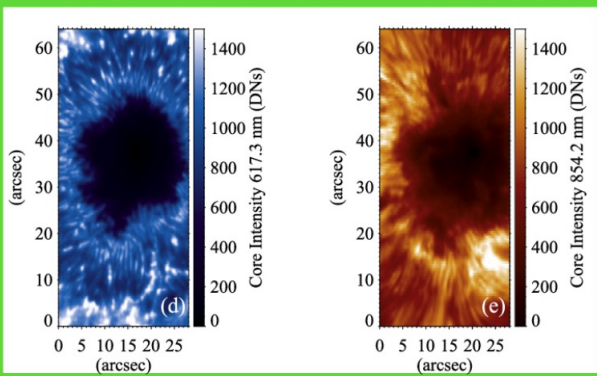



UCL Mullard Space Science Laboratory,
25-29 January 2021
(<https://solarnet-project.eu/Schools>)

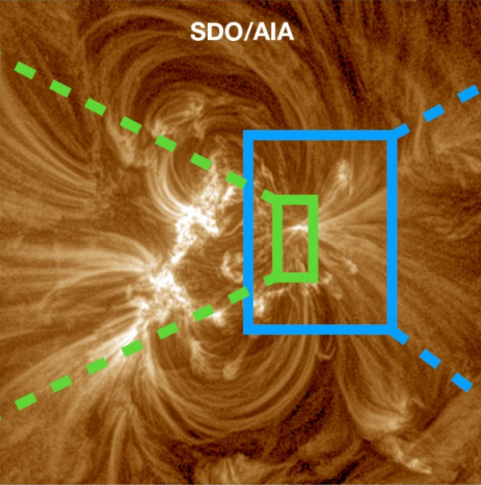
SOLARNET Winter School

A holistic view of the solar atmosphere;
Combining space- and ground-based observations

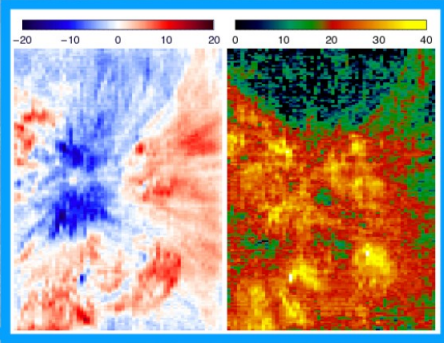
IBIS



SDO/AIA



Hinode/EIS



LOC & SOC:
Gherardo Valori, David Long, Deb Baker, Sarah Matthews, David Stansby, Ryan French (UCL/MSSL), Francesca Zuccarello, Salvatore Guglielmino (UNICT), Mihalis Mathioudakis (QUB)

Lecturers: Marco Stangalini (ASI), Anthony Yeates (Durham), Peter Keys (QUB), Lucia Kleint (KIS), Malcolm Druett (Uni-Stockholm), Tiago Pereira (UiO), Rob Rutten (UU), Stephanie Yardley (St. Andrews), Giulio Del Zanna (U. Cambridge), Huw Morgan (U. Aberystwyth), Julia Thalmann (U. Graz), Allan Macneill (U. Reading), Deb Baker, David Stansby, Gherardo Valori, David Long, Sarah Matthews, Lucie Green (UCL/MSSL)

School n.2: “A holistic view of the solar atmosphere – combining space and ground-based observations”

January 25-29, 2021

UCL – Mullard Space Science Laboratory (Dorking, UK)

A holistic view of the solar atmosphere – combining space and ground-based observations

Online from MSSL 25th to 29th of January, 2021

Theory and instrumentation Hands-on session

NB: UK time (UTC+00:00)

Topic	Mon 25 Magnetic field	Tue 26 Optically thick	Wed 27 Optically thin	Thu 28 Connection Science	Fri 29 Obs. Proposal and career
9:30 – 11:00	T1 Magnetic field (GB AO) Marco Stangalini	T3 GB opt. thick Halpha Malcom Druett	T5 Opt thin & Chianti Giulio del Zanna	T7 Low-corona and Helicity Julia Thalmann	T9 Write observation proposal Sarah Matthew
11:30-13:00	T2 Magnetic field (SB global models) Anthony Yeates	T4 SB opt. Thick iris Tiago Pereira	T6 Opt thin & Chianti Giulio del Zanna	T8 Plasma Connectivity Allan Macneill	T10 Career and outreach Stephanie Yardley Lucie Green
14:00-15:30	H1 Image reconstruction Peter Keys	H3 Analysis of IRIS data Tiago Pereira	H5 EIS AIA Deb Baker Andy S. H. To – Ryan French	H7 Sunpy/Heliopy David Stansby	Evaluation questionnaire END
16:00-17:30	H2 Observing with GREGOR Lucia Kleint	H4 AIA-GB alignment Rob Rutten	H6 Image processing DEM MGN Huw Morgan	H8 SoI coronal models Gherardo Valori	

SOC:

- Gherardo Valori
- Sarah Matthews
- Michail Mathioudakis
- Francesca Zuccarello
- David Long
- Deborah Baker

2nd SOLARNET School (fully on-line): General resources

❖ Zoom

Lectures took place using the Zoom platform, with 4 of the 8 hands-on lectures using the **Zoom 'breakout rooms' feature for group exercises.**

❖ **SLAC channel** for discussing and sharing information (a place for exchanging information that can build in a more stable discussion forum, i.e., on technical aspects of the hands-on with dedicated channel to IDL and Python).

❖ **Google folder** with lectures slides and material

❖ **Wonder room** for off-lecture time (a platform for online socialization, where users are represent by icons and can chat individually and in group, sharing video and audio).

❖ **Menti.com** for interactive pools

❖ **OPINIO** for SOLARNET questionnaire

School n.2: “A holistic view of the solar atmosphere – combining space and ground-based observations”

January 25-29, 2021

UCL – Mullard Space Science Laboratory (Dorking, UK)



39 applications --> 20 EYR selected + 7 MSSL PhD students

School n.2: "A holistic view of the solar atmosphere – combining space and ground-based observations"

January 25-29, 2021

UCL – Mullard Space Science Laboratory (Dorking, UK)



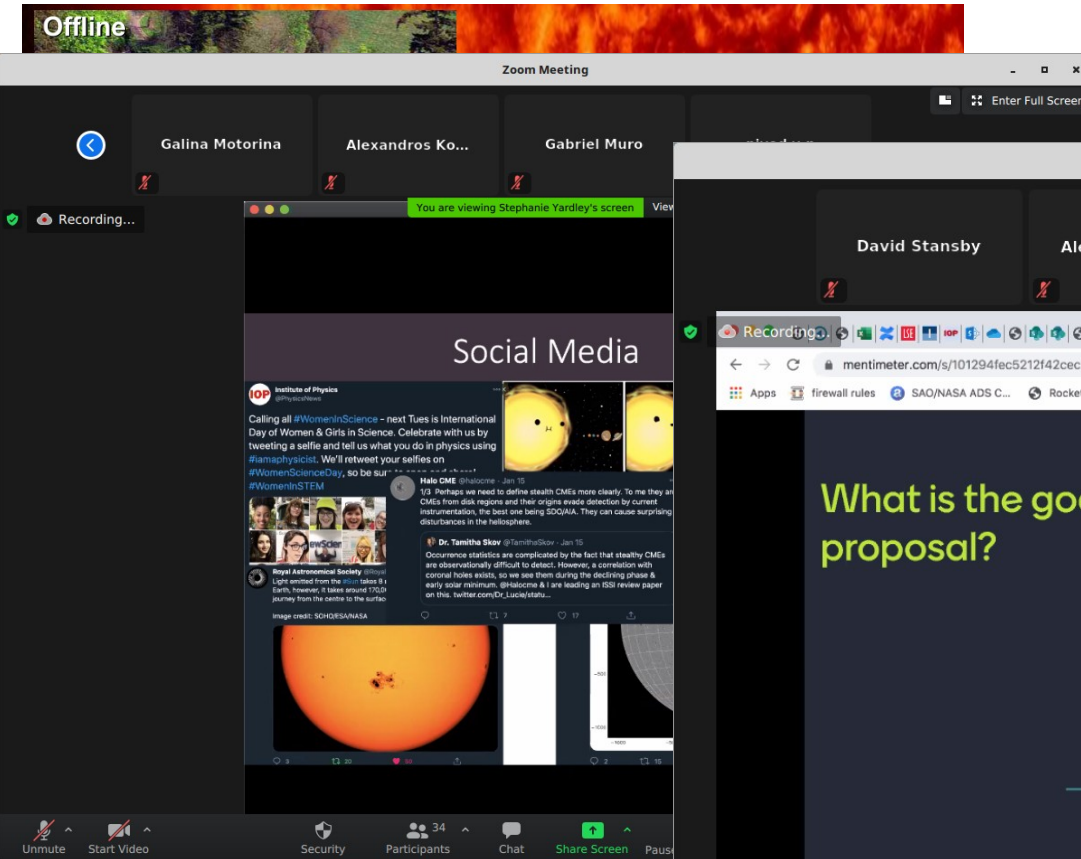
A screenshot of a Zoom meeting grid showing 20 participants. The participants are arranged in a 4x5 grid. The names of the participants are displayed below their respective video feeds. The participants are: Camille Y Lorfing, Marta GR, Giulia Murtas, Diego De Pablos Aguero, Daniele Calchetti, Jinge Zhang, Piermarco Giobbi, Jennifer O'kane (MSSL, UCL), Julia Thalmann, Stefan Hofmeister, Alessandro Liberatore, Sneha Pandit, Jamie Gorman, Lucia Mravcova, Gabriel Muro, nived v.n, Seray Sahin, giuseppe, Lucia Kleint, and Galina Motorina. The video feed for Galina Motorina is a small thumbnail in the bottom right corner.

Camille Y Lorfing	Marta GR	Giulia Murtas	Diego De Pablos Aguero	Daniele Calchetti
Jinge Zhang	Piermarco Giobbi	Jennifer O'kane (MSSL, UCL)	Julia Thalmann	Stefan Hofmeister
Alessandro Liberatore	Sneha Pandit	Jamie Gorman	Lucia Mravcova	Gabriel Muro
nived v.n	Seray Sahin	giuseppe	Lucia Kleint	Galina Motorina

School n.2: "A holistic view of the solar atmosphere – combining space and ground-based observations"

January 25-29, 2021

UCL – Mullard Space Science Laboratory (Dorking, UK)



Offline

Zoom Meeting

Galina Motorina, Alexandros Ko..., Gabriel Muro

Recording...

You are viewing Stephanie Yardley's screen

Social Media

Institute of Physics @PhysicsNews

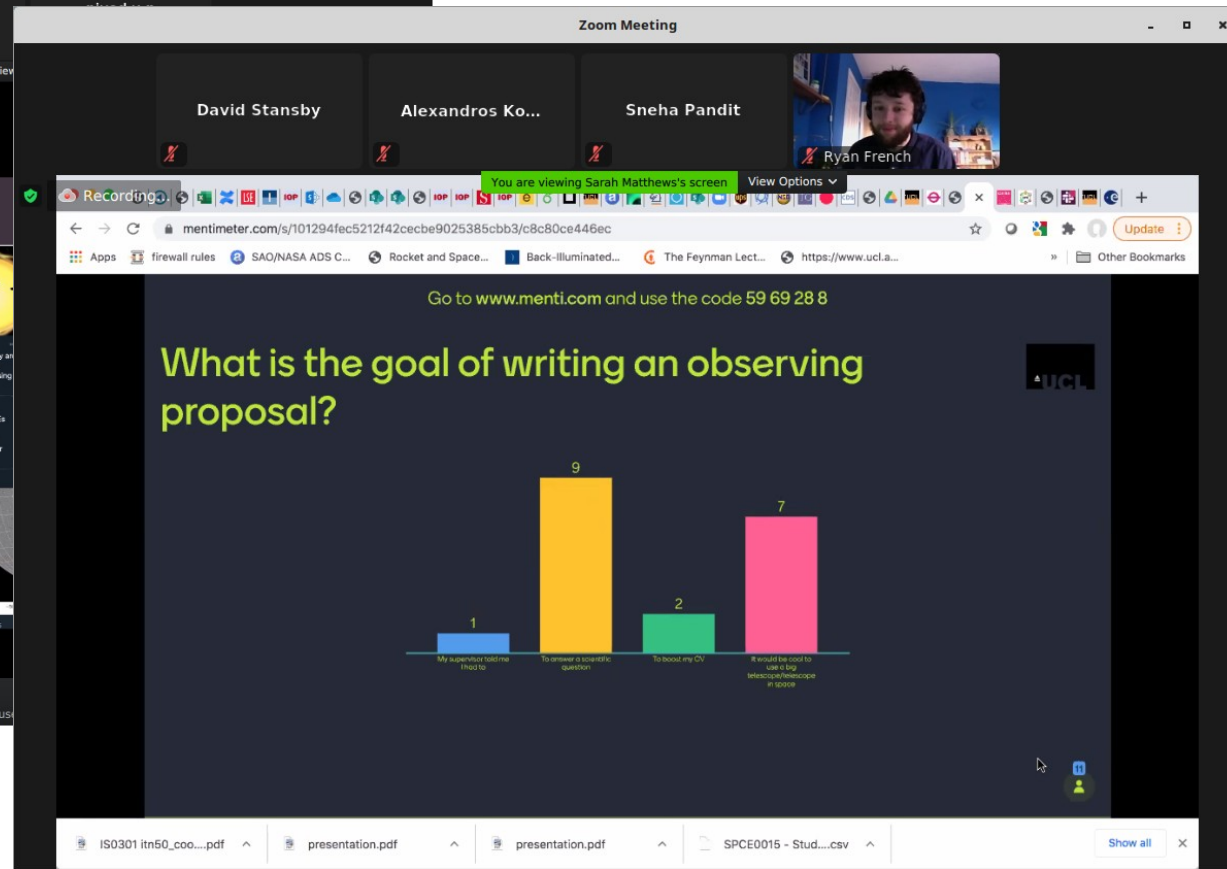
Calling all #WomenInScience – next Tues is International Day of Women & Girls in Science. Celebrate with us by tweeting a selfie and tell us what you do in physics using #womenphysicist. We'll retweet your selfies on #WomenScienceDay, so be sure to use #WomenInSTEM

Halo CME @halocme Jan 15
1/2 Perhaps we need to define stealth CMEs more clearly. To me they are CMEs from disk regions and their origins evade detection by current instrumentation, the best one being SDQAA. They can cause surprising disturbances in the heliosphere.

Dr. Tamitha Stov @tamithastov Jan 15
Occurrence statistics are complicated by the fact that stealthy CMEs are observationally difficult to detect. However, a correlation with coronal holes exists, so we see them during the declining phase & early solar maximum. @halocme All see leading an ISS review paper on this. twitter.com/Dr_Lucile/statu...

Image credit: SOHO/SANASA

Unmute, Start Video, Security, Participants, Chat, Share Screen, Pause



Zoom Meeting

David Stansby, Alexandros Ko..., Sneha Pandit, Ryan French

Recording...

You are viewing Sarah Matthews's screen

mentimeter.com/s/101294fec5212f42cecb9025385cbb3/c8c80ce446ec

Go to www.menti.com and use the code 59 69 28 8

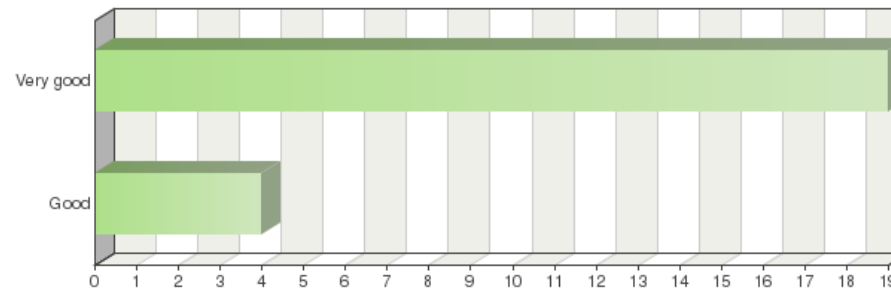
What is the goal of writing an observing proposal?

Option	Count
My supervisor's habits lead to	1
To answer a scientific question	9
To boost my CV	2
It would be good to use a big telescope/observatory in space	7

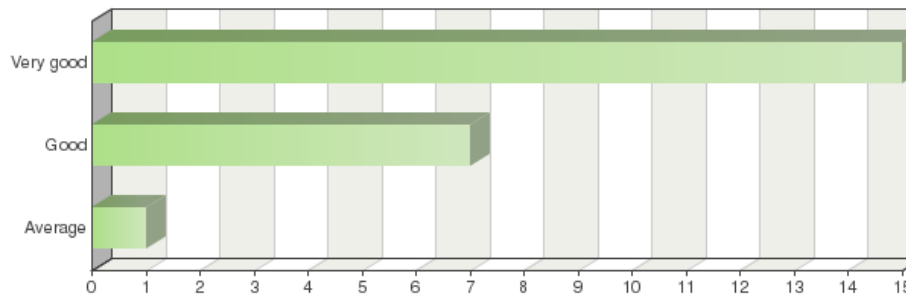
ISO301 itm50_coo..., presentation.pdf, presentation.pdf, SPCE0015 - Stud..., Show all

School 2: Results of the Questionnaire (23 answers)

How would you qualify the activities, scientific presentations and discussions at the School/Training?

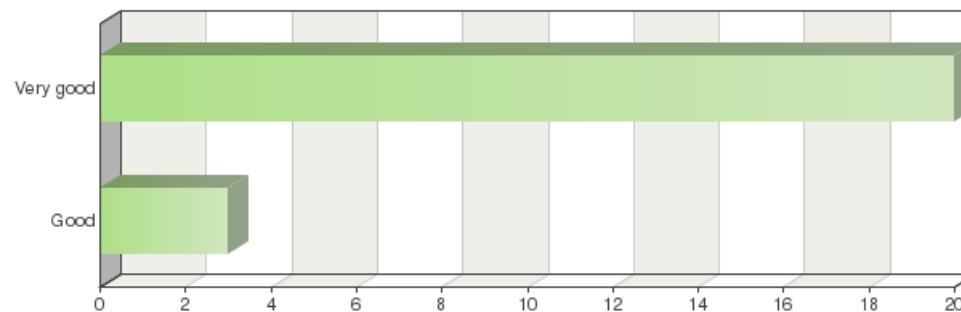


Has the School/Training contributed to a significant enhancement of your knowledge on the addressed topics?

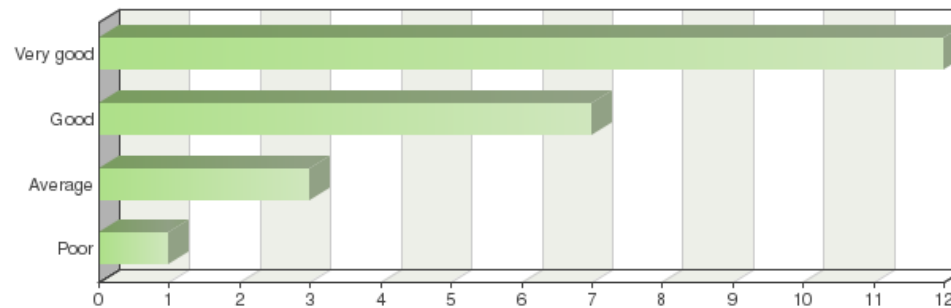


School 2: Results of the Questionnaire (23 answers)

Were the lecturers available to assist students in and out of class?

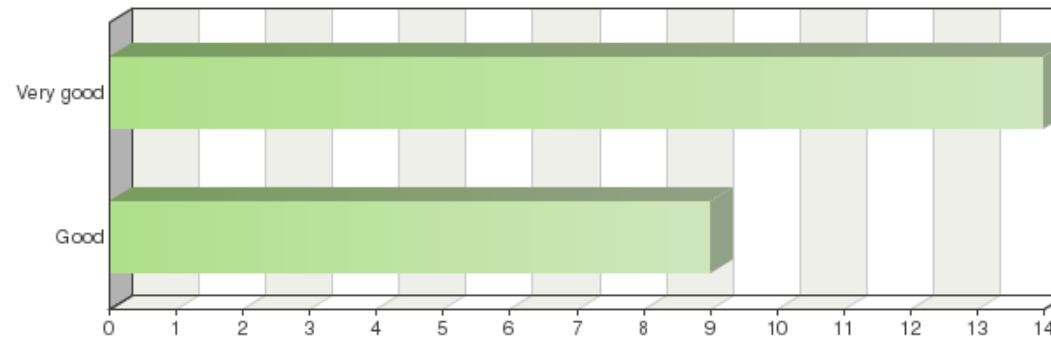


How would you qualify the Training activities and/or hands-on sessions?

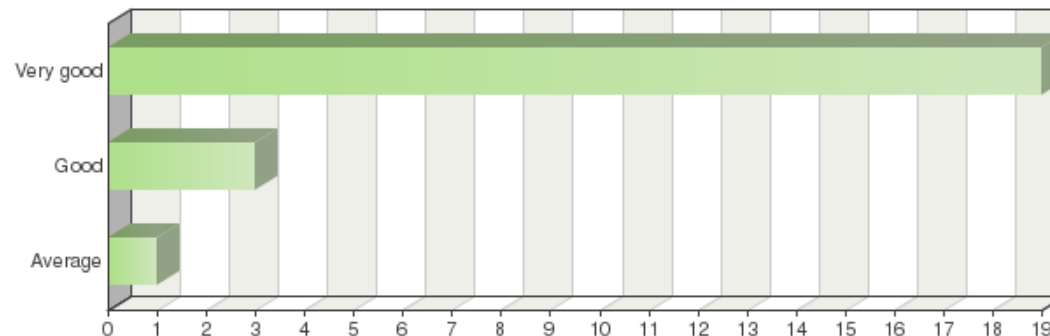


School 2: Results of the Questionnaire (23 answers)

How would you qualify the overall School/Training Programme?



How would you qualify the facilities provided (computers, conference room, Internet connection, etc.)?



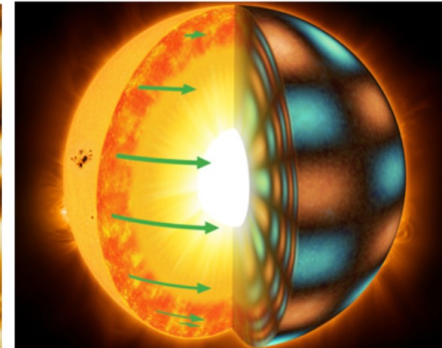
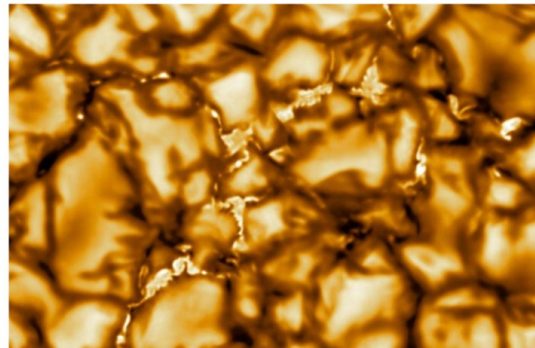
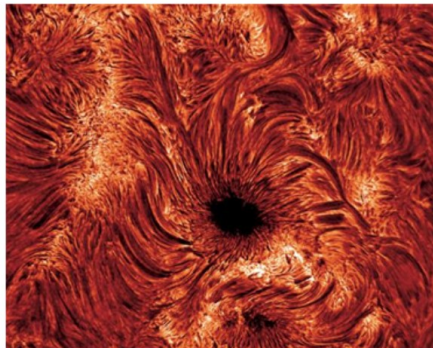
School 2: Results of the Questionnaire (Free comments)

- Despite the difficult conditions, under which it took place, the School was organized very well and I am very grateful that I participated.
- All the **lectures** were very interesting and with recording available, **it is possible to revisit them and examine them in more detail, which I find very useful.**
- I particularly enjoyed the Hands-on sessions and possibly I would like to have spent a bit more time on them, specifically in the form of exercises.
- However, **despite the constant encouragement from the organizers/lecturers and the wide availability of resources** (slack, zoom, wonder, etc.) **there was not a lot of engagement of the students among themselves.** Most kept mics and cameras off for the duration of the School and had very little interaction, even in the breakout rooms (where there was no recording).
- Some suggestions: **to partition the exercises** (or the needed info) **among the students of each group to force more interactions**, the **lecturers could ask at the beginning of their talk for participants to open their cameras** (for the ones who did it, seemed to worked), provide some room for interaction (exercises or discussion) that is not recorded but still part of the main program.

School n.3: “High-resolution solar observations” August 30 - September 3, 2020 University of Graz (University Campus) (Austria)

at Institute of Physics, University of Graz, Aug 30 – Sept 3, 2021, Austria (<https://solarnet-project.eu/Schools>)

Sponsored by SOLARNET Grant No 824135 under European Union's Horizon 2020 research and innovation programme.



Lecture Topics: Instrumentation for high-resolution solar physics • High-resolution observations of the solar photosphere • Spectropolarimetry and the photosphere-chromosphere connection • Solar oscillations and wave phenomena • High spatial and spectral observation of stars • DKIST – A new high-resolution solar telescope

LOC & SOC: Arnold Hanselmeier (Uni Graz), Markus Roth (KIS)

Lecturers: Oskar v. d. Lühe (KIS), Klaus Strassmeier (AIP), David Kuridze (Aberystwyth Uni), Markus Roth (KIS), Ales Kucera (Slovak Academy Sci), Thomas Rimmele (DKIST)

WP30 Deliverables

Number	Title	Lead	Type	Dissemination level	Due date
D3.3	First report on mobility programme	UNICT	Report	P	June 2020
D3.1	Meeting webpages and on-line proceedings (M1&M2)	UNICT	Websites	P	December 2020 ☐ POSTPONED to Dec 2021
D3.5	First Report on training for solar observers	KIS	R	P	December 2020
D3.7	First Report on schools	UNICT	R	P	December 2020
D3.4	Second report on mobility programme	UNICT	R	P	December 2021
D3.2	Meeting webpages and on-line proceedings (M3&M4)	UNICT	Websites	P	December 2022
D3.6	Second Report on training for solar observers	KIS	R	P	December 2022
D3.8	Second Report on schools	UNICT	R	P	December 2022

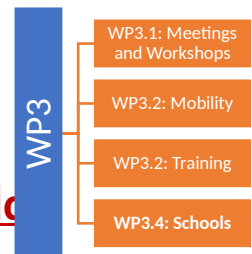
WP30 Milestones

Number	Title	Lead	Due date
MS5	First science meeting	UNICT	June 2020 -> December 2021
MS6	First week above the clouds	KIS	June 2020
MS7	First School on spectro-polarimetry	UNICT	June 2020

Items to discuss

All the activities of WP3 were impacted by Covid-19 outbreak

- Meetings:
 - New dates and merging of two Meetings (?)
- Mobility
 - Integrate industrial partners in the program
 - Promote exchange between scientific institutions and industry
 - Several stays postponed or interrupted
 - Calls have been suspended
 - New format: virtual mentoring. How to realize it? The MEC could provide some general indications and guidelines
- Training “A week above the Clouds”
 - 2nd and 3rd (?) event cancelled
- Schools
 - 2nd School postponed to January 2021 (held on-line)
 - postponement and new dates for the other Schools



Gennaio

L	M	M	G	V	S	D
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Febbraio

L	M	M	G	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
1	2	3	4	5	6	7
8	9	10	11	12	13	14

Marzo

L	M	M	G	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Aprile

L	M	M	G	V	S	D
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Maggio

L	M	M	G	V	S	D
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Giugno

L	M	M	G	V	S	D
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Luglio

L	M	M	G	V	S	D
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Agosto

L	M	M	G	V	S	D
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Settembre

L	M	M	G	V	S	D
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Ottobre

L	M	M	G	V	S	D
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Novembre

L	M	M	G	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

Dicembre

L	M	M	G	V	S	D
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Gennaio

L	M	M	G	V	S	D
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Febbraio

L	M	M	G	V	S	D
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	1	2	3	4	5	6
7	8	9	10	11	12	13

Marzo

L	M	M	G	V	S	D
28	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Aprile

L	M	M	G	V	S	D
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Maggio

L	M	M	G	V	S	D
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Giugno

L	M	M	G	V	S	D
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Luglio

L	M	M	G	V	S	D
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

Agosto

L	M	M	G	V	S	D
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Settembre

L	M	M	G	V	S	D
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Ottobre

L	M	M	G	V	S	D
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Novembre

L	M	M	G	V	S	D
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Dicembre

L	M	M	G	V	S	D
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8