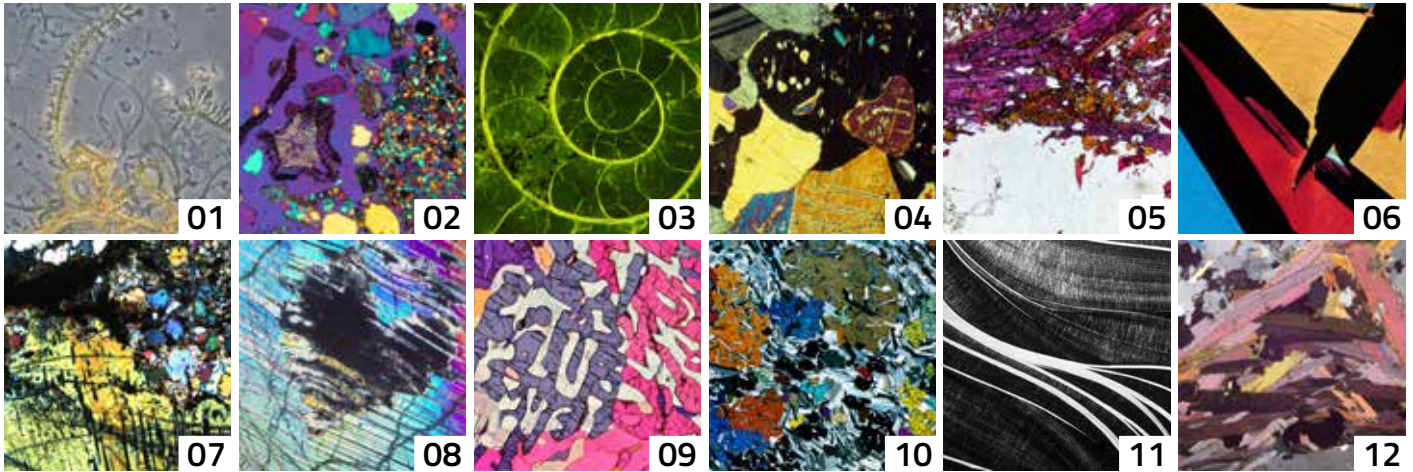


 Regione Emilia-Romagna

MUSEO GIARDINO GEOLOGICO 
Sandra Forni

G in
GRANDI
MENTI
2021



[01] Leptothrix bacteria while oxidising iron (II) and manganese (II) by Bertram Schmidt, 2010

<https://cdn.imaggeo.egu.eu/user/122/>

[02] Thin section of a sandy surface soil under cross-polarised light showing sand grains and plant material cellular by Laura Gargiulo, 2009

<https://imaggeo.egu.eu/view/851/>

[03] Ammonite thin section analysed with fluorescence microscope by Rene Hoffmann, 2018

<https://imaggeo.egu.eu/view/12427/>

[04] Gabbro - Bushveld - South Africa by Kevin Walsh, 2005

https://commons.wikimedia.org/wiki/File:Bushveld_gabbro.jpg

[05] Piemontite crystals (manganese-rich epidote) - Apuan Alps, Italy by Alessandro Da Mommio, 2013

https://commons.wikimedia.org/wiki/File:Piemontite_Epidote.JPG

[06] Graphitic granulite - Kerala, India by Cesare Bernardo, 2013

<https://imaggeo.egu.eu/view/1987/>

[07] Metamorphic rock fragment - Tunguska, Russia, 2008

<https://commons.wikimedia.org/wiki/File:JohnStone.jpg>

[08] Pyroxenite garnet: garnet solute in lamellar pyroxene (orthopyroxene and clinopyroxene) - Beni Bousera, Morocco by Fatima El Atrassi, 2011

<https://imaggeo.egu.eu/view/822/>

[09] Intricate "symplectic" intergrowth of pyroxene (pink and blue) and plagioclase (light grey) in a mafic granulite - Manitoba, Canada by Cesare Bernardo, 2014

<https://imaggeo.egu.eu/view/1986/>

[10] Gabbro, large clinopyroxene crystals are enclosed in a fine-grained background paste of plagioclase and olivine - Rum Layered Intrusion, Scotland, Great Britain by Julien Leuthold, 2012

<https://cdn.imaggeo.egu.eu/user/Julien.Leuthold/>

[11] Miocene Crassostrea oyster shell - Spain by Rene Hoffmann, 2018

<https://imaggeo.egu.eu/view/12426/>

[12] Muscovite and Biotite Crystals from an Orthogneiss by Petr Broû, 2007

https://commons.wikimedia.org/wiki/File:Muscovite_and_Biotite2b.jpg

InGrandiMenti is an “artistic-scientific” calendar offering a vision of reality in which the the invisible becomes visible and the infinitely small becomes large. A game of perspectives that broadens the boundaries of our mind. These images are thin sections of rocks and soils, observed under the microscope, immerse ourselves in a beautiful world, unknown to most, an artistic work of the Nature.

The thin sections are small slices of rock, thick as 30 microns, as a hair. The geologist uses them to classify rocks, soils, fossils or minerals under the microscope. The spectacle that presents itself is, apart from the scientific interest, a hallucinating vertigo. Let these images stimulate your sensitivity and imagination.

This as an invitation from the “Sandra Forni Geological Garden Museum” collection to observe the world from other points of view in order to grasp, day after day, the possible plots of our reality.

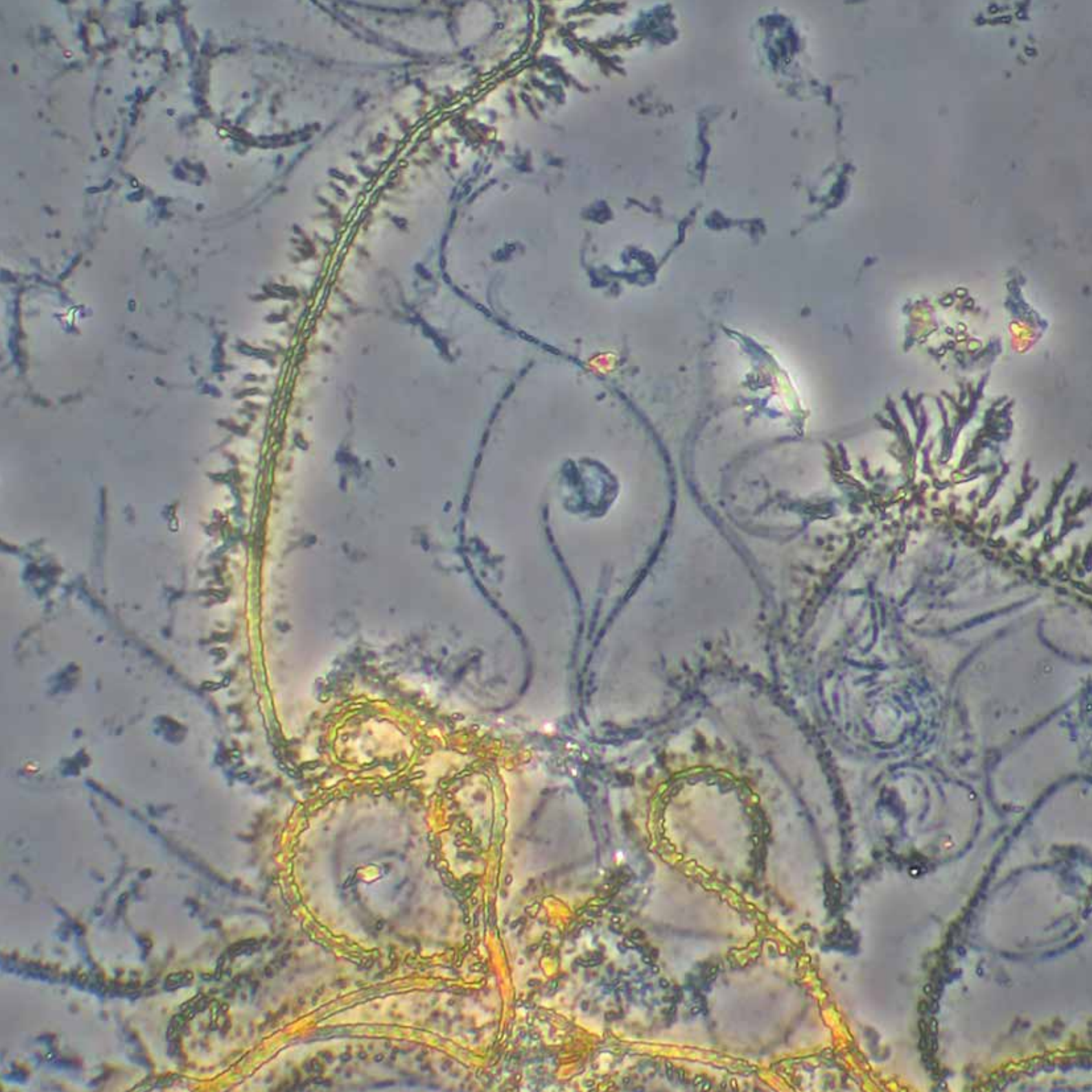
Happy 2021

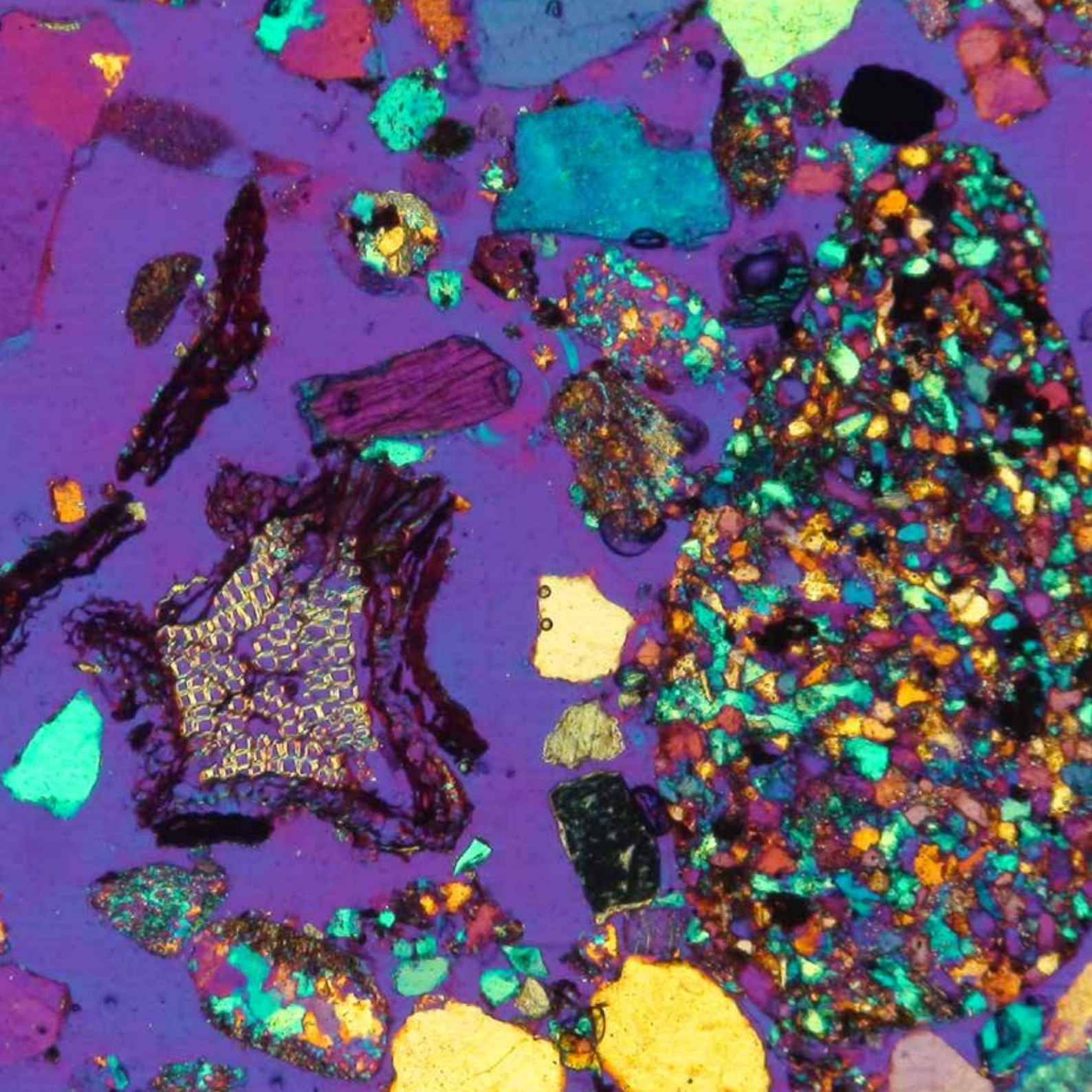


MUSEO GIARDINO GEOLOGICO
Sandra Forni

viale della Fiera, 8 - 40127 Bologna
segrgeol@regione.emilia-romagna.it
tel. 051 5274892

ambiente.regione.emilia-romagna.it/geologia/museo-giardino-geologico





February 2021

Mon

Tue

Wed

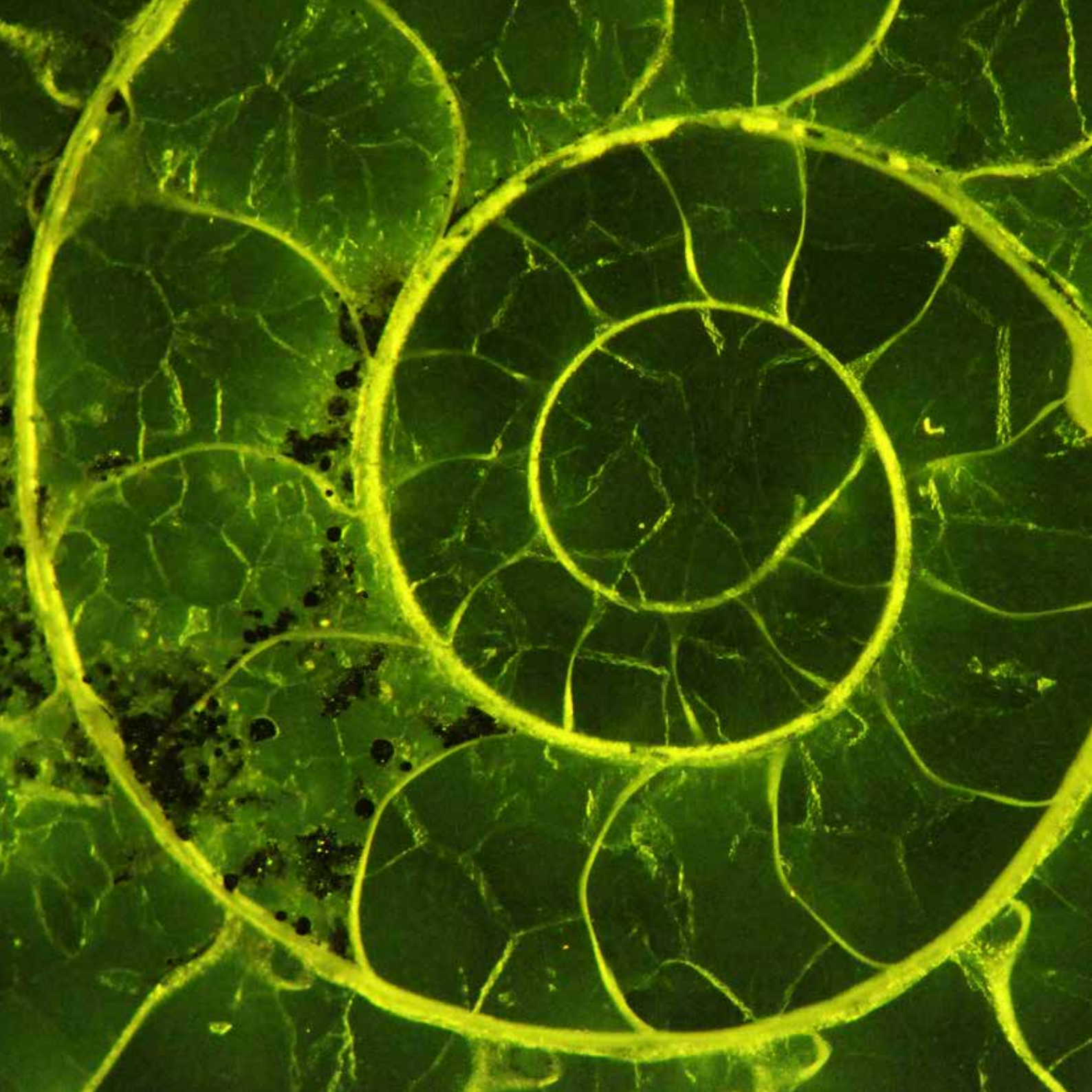
Thu

Fri

Sat

Sun

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | March > | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <table border="1"><thead><tr><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th><th>S</th></tr></thead><tbody><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> | M | T | W | T | F | S | S | 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 | | | | | | | | | | | |
| M | T | W | T | F | S | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



March 2021

Mon

Tue

Wed

Thu

Fri

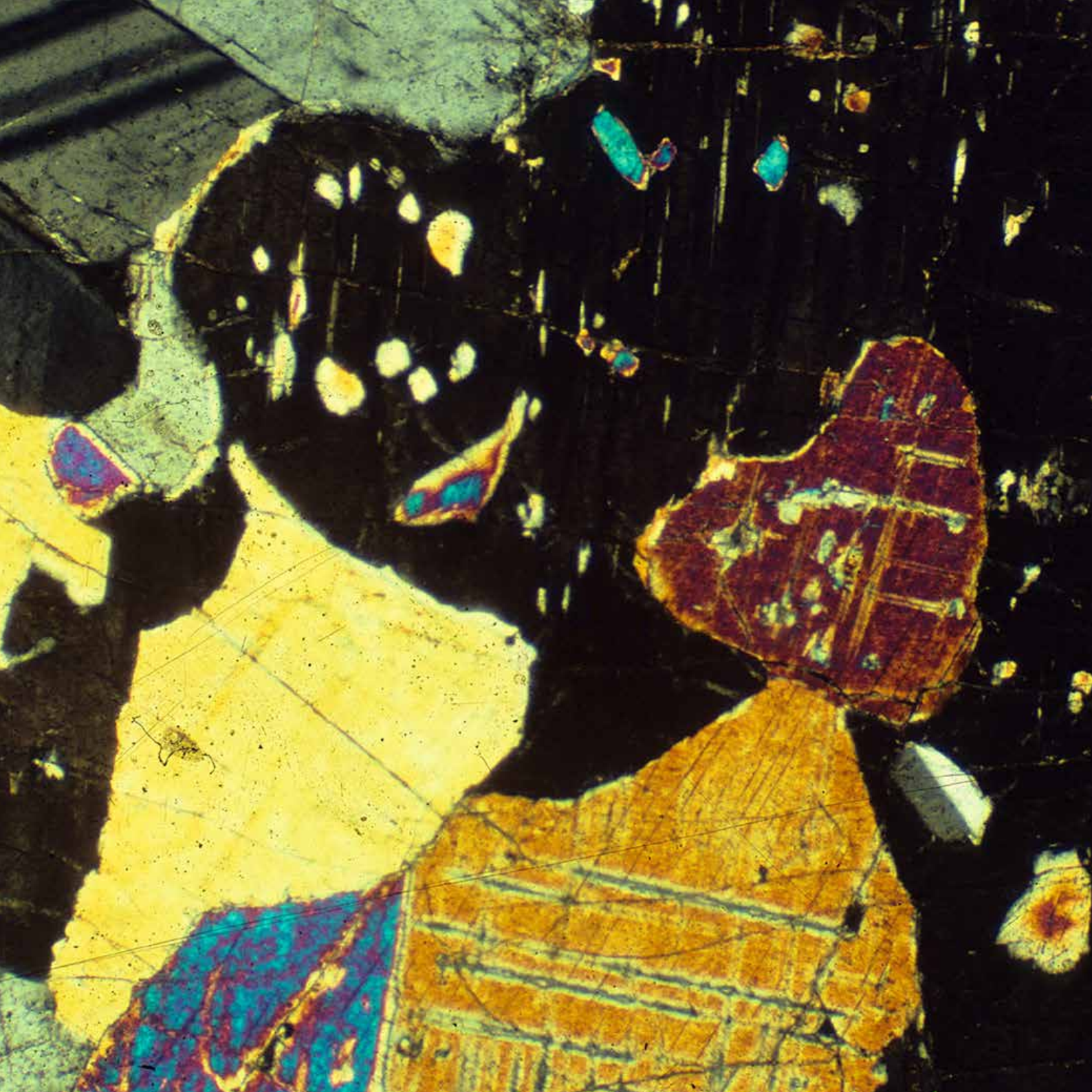
Sat

Sun

| | | | | | | |
|----|----|----|----|----|--|--|
| 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 | | | | |

April >

| | M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|---|
| | | | | 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 | | | |
| | | | | | | | |



April 2021

Mon

Tue





Wed

Thu

Fri

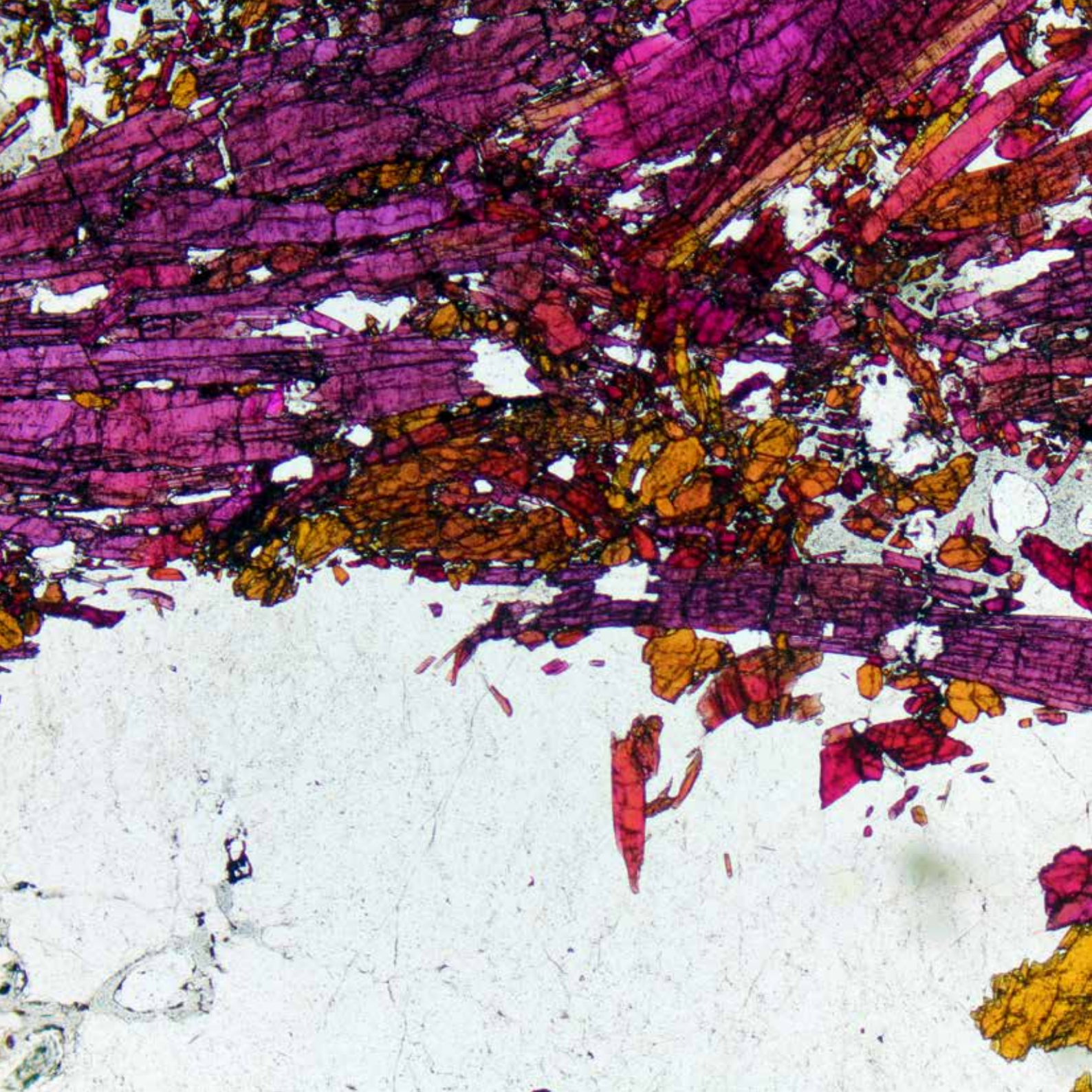
Sat

Sun

| | | | | | | |
|--|--|----|----|----|----|---|
| | | | 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 | | |

May >

| M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|
| | | | | | 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 | | | | | | |





June 2021

Mon

Tue

Wed

Thu

Fri

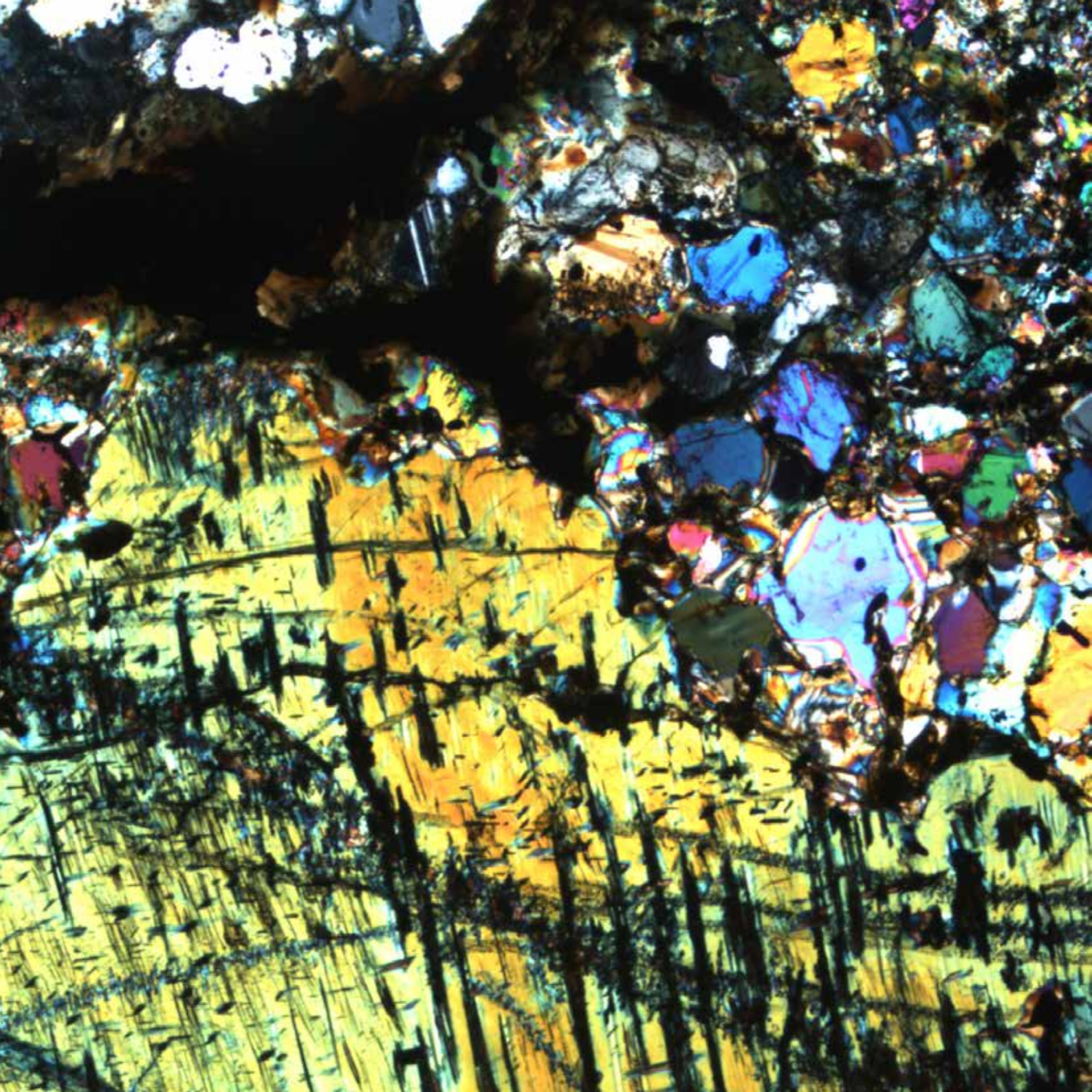
Sat

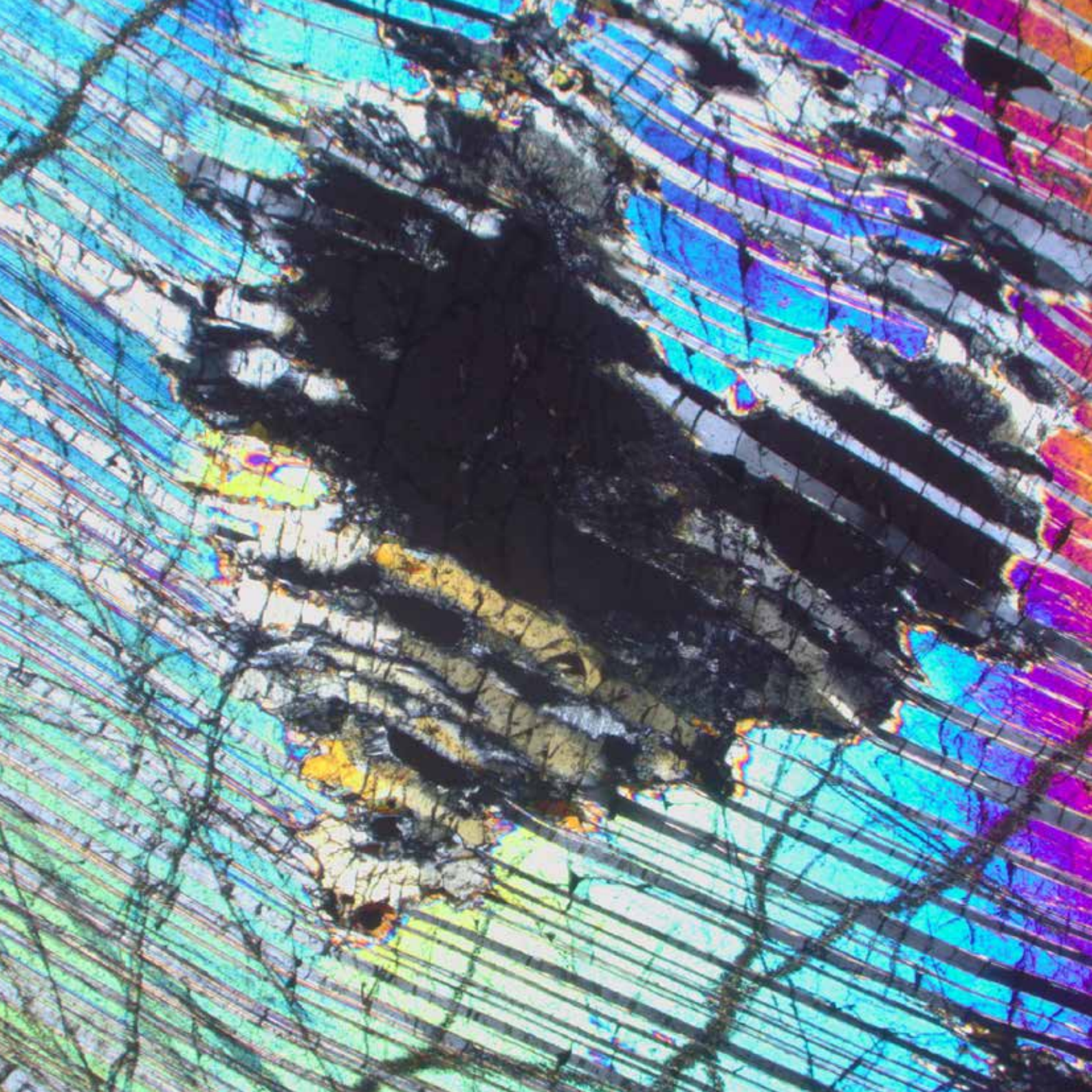
Sun

| | | | | | | |
|----|----|---|--|--|----|----|
| | 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 | | | | |

July >

| | M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|---|
| | | | | 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 | | |





August 2021

Mon

Tue

Wed

Thu

Fri

Sat

Sun

| | | | | | | | | |
|------|----|-------------|----|----|----|------|----|----|
| | | | | | | 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 | September > | | | | | | |
| | | M | T | W | T | F | S | S |
| | | 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 | | | |



September 2021

Mon

Tue

Wed

Thu

Fri

Sat

Sun

| | | | | | | |
|------|------|------|----|----|----|----|
| | | 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 | | | |

October >

| | M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|---|
| | | | | | 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 | |
| | | | | | | | |



October 2021

Mon

Tue

Wed

Thu

Fri

Sat

Sun

| | | | | | | | |
|----|----|------|------|----|----|----|---|
| | | | | | 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 | |

| | M | T | W | T | F | S | S |
|------------|----|----|----|----|----|----|----|
| November > | 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 | | | | | |
| | | | | | | | |





December 2021

Mon

Tue

Wed

Thu

Fri

Sat

Sun

| | | | | | | |
|------|----|----|----|----|------|------|
| | | 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 | | |

January >

| M | T | W | T | F | S | S |
|----|----|----|----|----|----|----|
| | | | | | 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 | | | | | | |

To see a World in a Grain of Sand
And a Heaven in a Wild Flower,
Hold Infinity in the palm of your hand
And Eternity in an hour.

William Blake (1757-1827)



DEPARTMENT OF THE ENVIRONMENT, SOIL AND COASTAL DEFENSE,
CIVIL PROTECTION
GENERAL MANAGEMENT FOR THE TERRITORY AND THE ENVIRONMENT

Drafting and graphic design

Servizio Geologico, Sismico e dei Suoli

Print

Centro Stampa regionale