



# Copernicus Relay Bulgaria Copernicus Services via Social Media Platforms

RST-TTO

eng. Todor Lubenov



Copernicus EU



Copernicus EU



@CopernicusEU



[www.copernicus.eu](http://www.copernicus.eu)



How we are?



Copernicus EU



Copernicus EU



@CopernicusEU



[www.copernicus.eu](http://www.copernicus.eu)





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Risk Space Technology Transfer Office – Bulgarian Academy of Sciences

#### Bulgarian Academy of Science



SRTI – 45 years

- Space Physics
- Remote sensing
- Aerospace sys. & Technologies
- Observatory

#### OUR TEAM



CNSDR – 10 years

- CM & DR Policy
- Security, Defence, CM Planning
- Management & Coordination



Специален фонд за научноизследователска и инновационна дейност



Организирана по програмата „Развитие на компетентностите на българските ученици“ 2007-2013



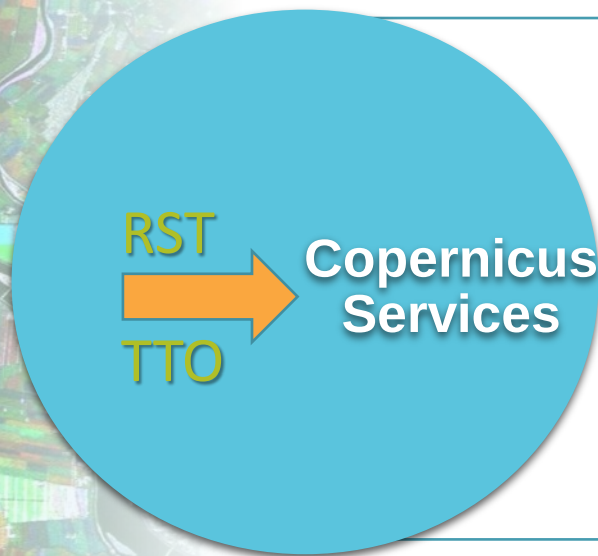




Copernicus

# RST-TTO > Copernicus Relay Bulgaria

Risk Space Technology Transfer Office – BAS



Emergency



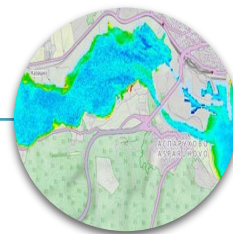
Mapping  
natural  
hazards  
and events

Security



Mapping of  
anthropogenic  
hazards

Marine



Water  
monitoring

Acad. G. Bonchev Str.  
Block 1, Sofia 1113  
Bulgaria

Phone: + 359 2 979- 2453  
E-mail: [office@rst-tto.com](mailto:office@rst-tto.com)  
<http://www.rst-tto.com>





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Primary Domains

#### Feasibility study and evaluation

- Business plan and marketing strategy
- Multi risk analysis and data acquisition
- Analysis and evaluation of UAV
- Online data transfer

#### Marketing and certification

- Certification and legal consultation for data acquisition
- Critical methodology assessment infrastructure

#### Testing and demonstration

- Web Geospatial portal
- Prototype system for monitoring
- Demonstration and testing of Smart Sensors for data processing

**Carried out 9 Technology demonstration Projects**





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

Copernicus Relay Bulgaria is one of local representatives of Copernicus in Bulgaria promoting the benefits of the EU's Earth Observation Programme. It is the voice, but also the eyes and the ears, of the Commission at local and regional level to ensure that user needs are integrated into the Programme and to maximise its use at local and operational level.

In response to the goals we build as follows:

- Facebook page <https://web.facebook.com/CopernicusRelayBulgaria/>
- Twitter page <https://twitter.com/CopernicusBG>
- LinkedIn page <https://www.linkedin.com/company/11552852/>
- Instagram page
- Connect RST-TTO Web Technology Demonstration Portal to the pages
- Establish in house infrastructure for fast Sentinel data access and processing.



Copernicus Relay Bulgaria objectives:





Copernicus

# RST-TTO > Copernicus Relay Bulgaria

← → ↻ 🔒 Secure https://web.facebook.com/CopernicusRelayBulgaria/ ☆ 🌐 📱

**f** Copernicus Relay Bulgaria 🔍

**Todor** Home 👤 💬 🌐 ? ⚙️

**Page** Inbox Notifications Insights Publishing Tools Promotions Settings Help ▾



Copernicus Relay Bulgaria  
@CopernicusRelayBulgaria

Home  
Posts  
Reviews  
Videos  
Photos  
About



**Finish Boosting Your Post**  
When you finish boosting your post "Четири години след стартиранет..." for \$3, it can be seen by up to 2,900 people.

[Finish Boosting Post](#)



**REGISTRATION OPEN**  
**Copernicus Training and Information Session**  
17 April 2018 Sofia, Bulgaria

eu2018bg.bg  
Bulgarian Presidency of the Council of the European Union

**Copernicus**  
Europe's eyes on Earth

👍 Liked ▾ 📡 Following ▾ ➦ Share ...

[Send Message](#) ✍️







Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Copernicus Relay Bulgaria Twitter page

Home About Search Twitter Have an account? Log in

**REGISTRATION OPEN**  
**Copernicus Training and Information Session**  
17 April 2018 Sofia, Bulgaria

eu2018bg.bg  
Bulgarian Relay of Copernicus

**Copernicus Relay Bulgaria**  
@CopernicusBG

Copernicus Relay Bulgaria е общност, представляваща Европейската програма за наблюдение на Земята Коперник

Joined April 2018

Photos and videos

**Copernicus Relay Bulgaria** @CopernicusBG · 16h  
Бързо картографиране Коперник EMS е активирано за горските пожари в Тенерифе [copernicus.eu/news/copernicu](https://copernicus.eu/news/copernicu) ...

**Copernicus Relay Bulgaria** @CopernicusBG · Apr 11  
4 years after its launch, the European flagship Earth observation programme Copernicus is delivering an unprecedented amount of environmental data in support of public policy and of the development of a successful and sustainable knowledge-based economy. [bit.ly/2vaNbLY](https://bit.ly/2vaNbLY)

Tweets 6 Following 60 Followers 4 Follow







Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Copernicus Relay Bulgaria LinkedIn Page

in Q Search Home My Network Jobs Messaging Notifications

**Copernicus Training Information Session**

Copernicus Relay Bulgaria  
Sofia, Sofia

[Manage page](#) [See jobs](#)

**About us**

Copernicus Relay Bulgaria е общност, представляваща Европейската програма за наблюдение на Земята Коперник

**Recent update** [See all](#)



**Copernicus EMS Rapid Mapping Activa...**  
[copernicus.eu](https://copernicus.eu)





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

**Copernicus Relay Bulgaria as**  
News feed dissemination pipe and  
news aggregation trough  
Social Media Platforms  
**Facebook**  
**Twitter**  
**Instagram**



### Copernicus Relay Bulgaria

Published by Nicky Nikolaev [?] · 16 hrs · 🌐

Бързо картографиране Коперник EMS е активирано за горските пожари в Тенерифе



### Copernicus EMS Rapid Mapping Activated for Forest Fire in Tenerife

On 8 April a forest fire broke out in one of the most picturesque places in Spain - Granadilla de Abona, in the centre of the island of Tenerife. Strong winds,...

COPERNICUS.EU

👤 22 people reached

Boost Post

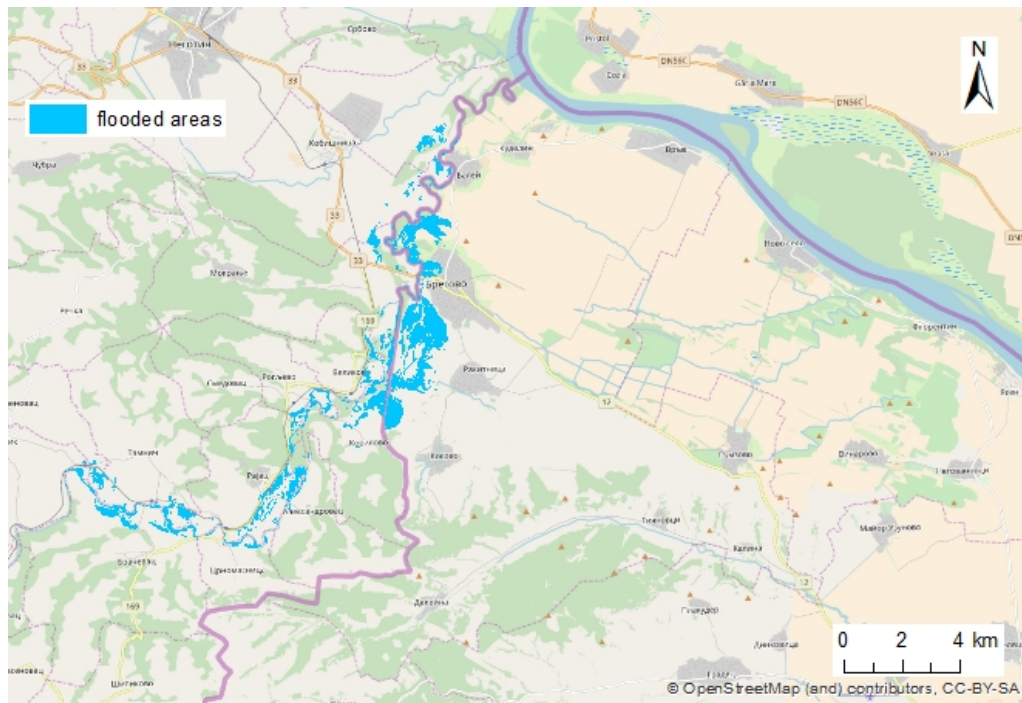




Copernicus

## RST-TTO > Copernicus Relay Bulgaria

**Copernicus Relay Bulgaria as  
Real News creator and  
Disseminator trough  
Social Media**



Mapping of flooding events Flooding in the town of Bregovo (10.03.2018)







Copernicus

## RST-TTO > Copernicus Relay Bulgaria

**Copernicus Relay Bulgaria** as Monitoring tool of natural events and hazards trough Social Media Platforms.

Monitoring of important areas from Biodiversity point of view such as Biosphere reserves, Wetlands, Protected zones.



Copernicus Relay Bulgaria added 6 new photos.

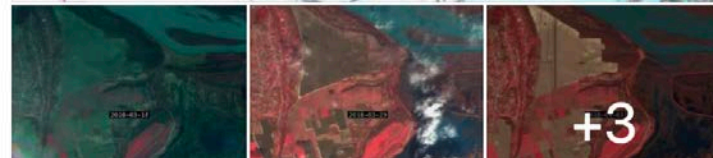
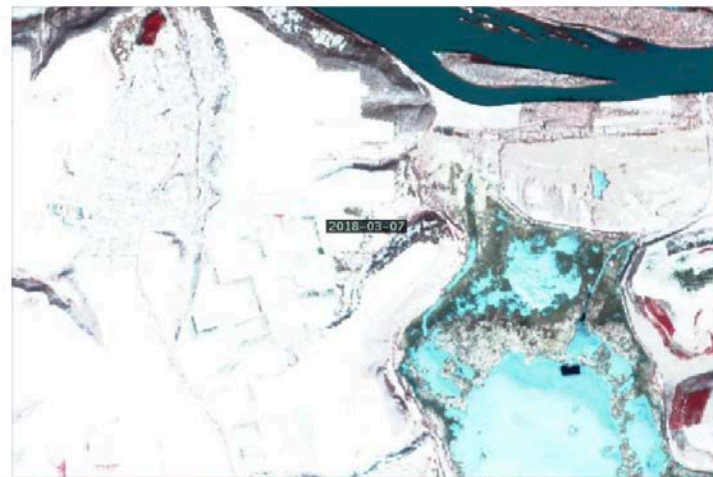
...

Published by Todor Lube [?] · 1 hr · 🌐

Езерото Сребърна и района около него.

Март 2018 ...

Представяне на периода на пролетното пълноводие и заливането на езерото от високите води на р.Дунав.





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

**Copernicus Relay Bulgaria** as Monitoring tool of natural events and hazards  
through Social Media Platforms







Copernicus

## RST-TTO > Copernicus Relay Bulgaria

**Copernicus Relay Bulgaria** as Monitoring tool of natural events and hazards  
through Social Media Platforms



SENTINEL Hub







Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Copernicus Relay Bulgaria

as Monitoring tool of natural  
events and hazards trough  
Social Media Platforms

### Copernicus Relay Bulgaria

as Demonstration channel  
of RST-TTO Technology capabilities  
trough Social Media Platforms

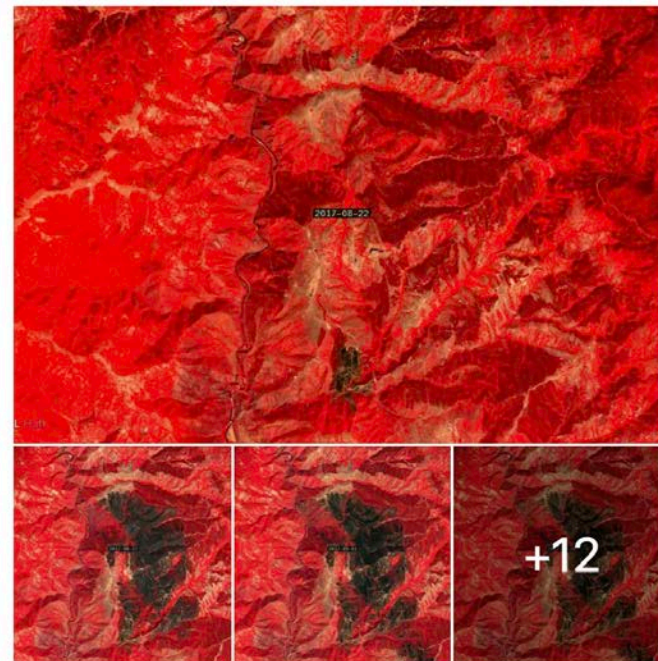


Copernicus Relay Bulgaria added 15 new photos.

Written by Todor Lube [?] · 2 hrs · 🌐

...

Пожара в района на Кресна и последствията след него.  
Проследяване на района на пожарището в района на Стара Кресна  
от 2017.08.22 (преди пожара) до 2018.04.13.





Copernicus

## RST-TTO > Copernicus Relay Bulgaria

### Copernicus Relay Bulgaria as Platform for feedback and users Requirements definition trough Social Media Platforms

| <input type="checkbox"/> Posts                                                                                                                             | Reach | Clicks/Actions | Published                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|------------------------------------------|
|  Езерото Сребърна и района около него. Март 2018 ... Представяне на...    | 35    | 4              | Apr 17, 2018 at 10:29am<br>Todor Lube    |
|  Бързо картографиране Коперник EMS е активирано за горските...            | 28    | 4              | Apr 12, 2018 at 4:00pm<br>Nicky Nikolaev |
|  Четири години след стартирането си, водещата европейска програма...      | 42    | 6              | Apr 11, 2018 at 2:57pm<br>Nicky Nikolaev |
|  Коперник и екскурзията "Инкогнита Патагония" получиха наградите...       | 40    | 2              | Apr 10, 2018 at 9:30pm<br>Nicky Nikolaev |
|  Конкурсът "Коперник Мастърс 2018" вече е отворен!...                     | 32    | 2              | Apr 10, 2018 at 9:27pm<br>Nicky Nikolaev |
|  The Copernicus EU Training and Information Session to be held on 17...   | 35    | 4              | Apr 3, 2018 at 5:35pm<br>Nicky Nikolaev  |
|  Balkans from Space 18-19 April 2018 Space-based services for regional... | 25    | 4              | Apr 3, 2018 at 5:28pm<br>Nicky Nikolaev  |
|  Copernicus Relay Bulgaria updated their cover photo.                     | 143   | 11             | Apr 3, 2018 at 5:11pm                    |
|  Copernicus Relay Bulgaria updated their profile picture.                 | 0     | 6              | Apr 3, 2018 at 11:43am                   |
|  Copernicus Relay Bulgaria updated their profile picture.                 | 0     | 5              | Apr 3, 2018 at 11:41am                   |



35 likes +27 this week  
Svetin Vicentius Gregorius and 20 other friends



35 follows



See Pages Feed  
Posts from Pages you've liked as your Page



167 post reach this week



35 people like this and 35 people follow this  
Svetin Vicentius Gregorius and 20 other friends

Community

See All



35 people like this



35 people follow this



Build community around your Page by linking a group





Data  
Access

POLICY & GOVERNANCE

END USERS



COMMON BUSINESS DEVELOPMENT

Services

Information

MarketPlace Tier

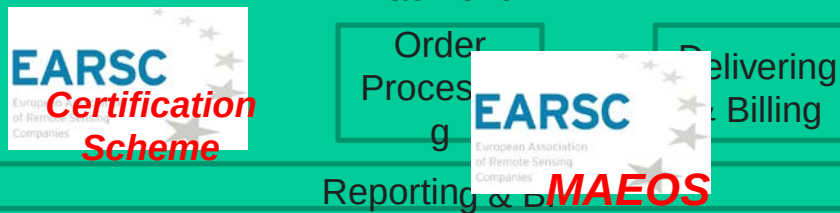
Information providers & brokers (INFOaaS)

Examples of Front-end



INTEROPERABILITY

Back-end



INTERMEDIA  
USERS



Platform Tier