Photo: SL

Thematic CERN School of Computing

High Throughput Distributed Processing of Future HEP Data

3-9 June 2018
Split, Croatia

CERN

Sveučilište u Splitu
University of Split

FESB

MEDITERRANEAN
INSTITUTE FOR
LIFE SCIENCES

Daily updates and announcements

Announcements

Tuesday, June 5th

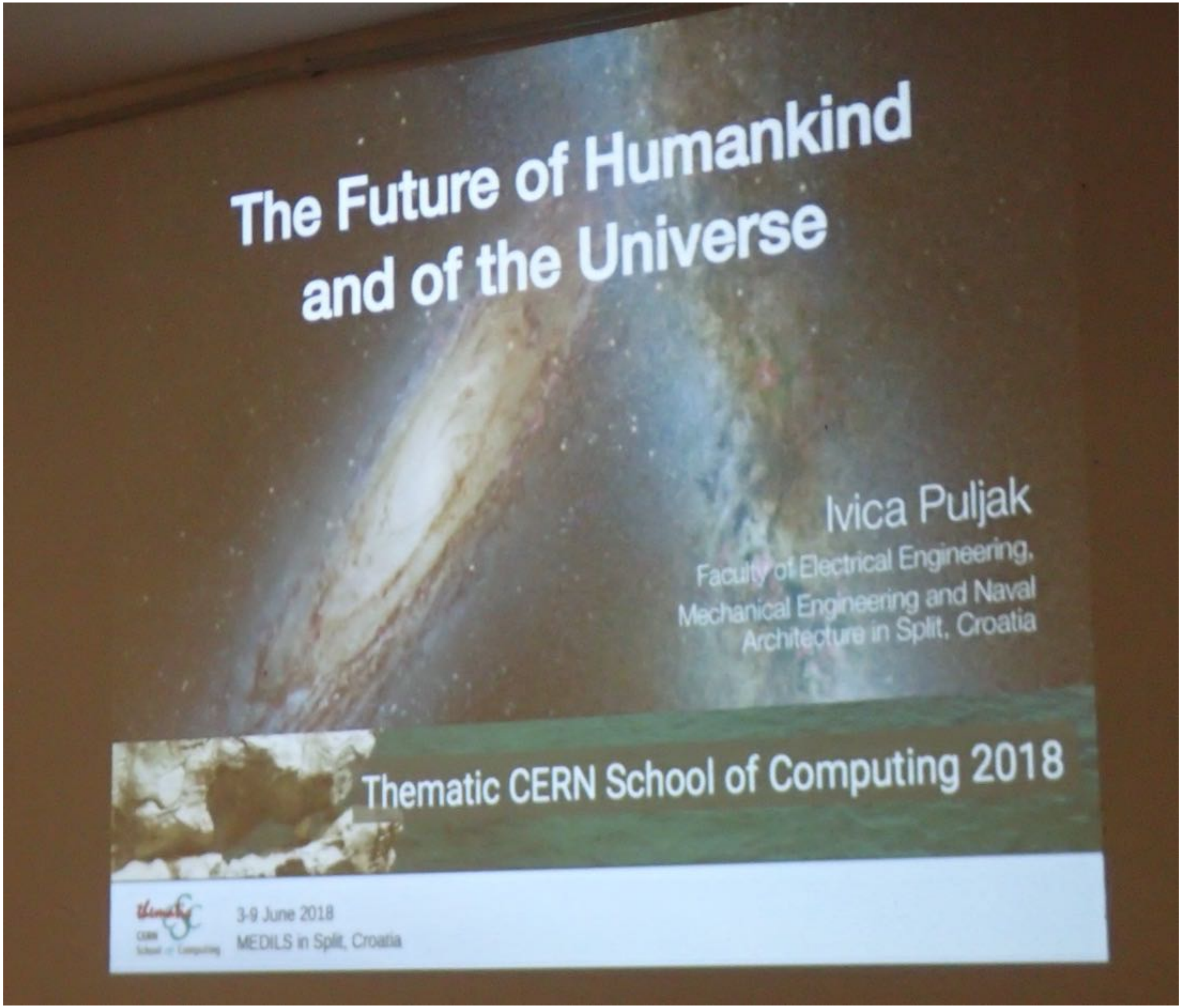
Lectures and exercises

CERN School of Computing

Heavy work at tCSC

Heavy work at tCSC

Ivica’s evening talk



The Future of Humankind and of the Universe

Ivica Puljak

Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture in Split, Croatia

Thematic CERN School of Computing 2018

3-9 June 2018
MEDILS in Split, Croatia

Ivica’s evening talk

Ivica’s evening talk

Ivica’s evening talk

ing

Ivica’s evening talk

Dark energy
68%
Dark matter
27%
"Normal matt
5%
Ivica PULJAK
University of Split

Ivica's evening talk

Antoni SHTIPLIYSKI
Imperial College London

Ivica PULJAK
University of Split

Ivica's evening talk

Welcome to CSC lecturers

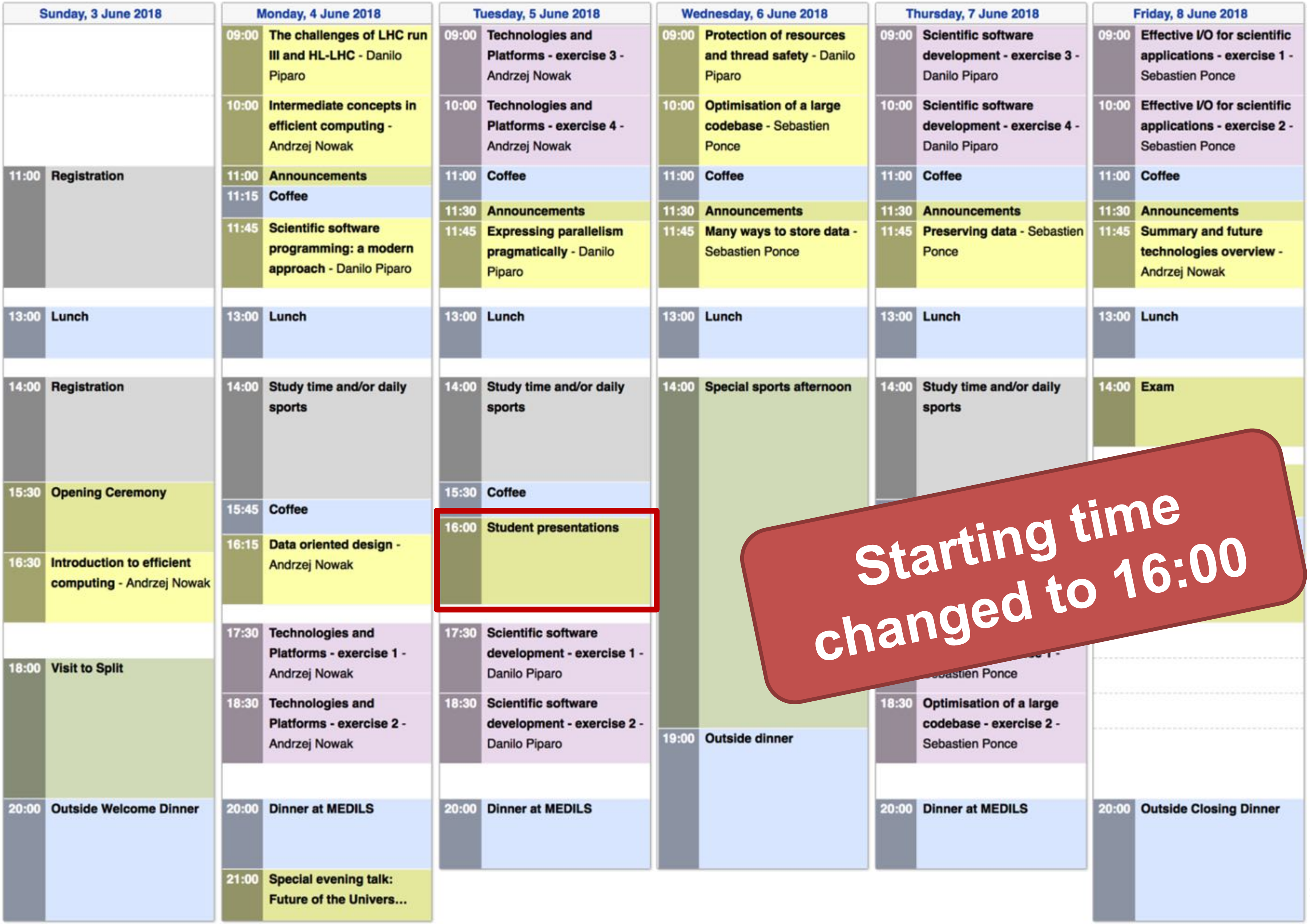
Sebastien Ponce

CERN / LHCb

Student presentations

Student presentations

CERN School of Computing



Sunday, 3 June 2018
- 11:00 Registration
- 13:00 Lunch
- 14:00 Registration
- 15:30 Opening Ceremony
- 16:30 Introduction to efficient computing - Andrzej Nowak
- 18:00 Visit to Split
- 20:00 Outside Welcome Dinner

Monday, 4 June 2018
- 09:00 The challenges of LHC run III and HL-LHC - Danilo Piparo
- 10:00 Intermediate concepts in efficient computing - Andrzej Nowak
- 11:00 Announcements
- 11:15 Coffee
- 11:45 Scientific software programming: a modern approach - Danilo Piparo
- 13:00 Lunch
- 14:00 Study time and/or daily sports
- 15:45 Coffee
- 16:15 Data oriented design - Andrzej Nowak
- 17:30 Technologies and Platforms - exercise 1 - Andrzej Nowak
- 18:30 Technologies and Platforms - exercise 2 - Andrzej Nowak
- 20:00 Dinner at MEDILS
- 21:00 Special evening talk: Future of the Univers...

Tuesday, 5 June 2018
- 09:00 Technologies and Platforms - exercise 3 - Andrzej Nowak
- 10:00 Technologies and Platforms - exercise 4 - Andrzej Nowak
- 11:00 Coffee
- 11:30 Announcements
- 11:45 Expressing parallelism pragmatically - Danilo Piparo
- 13:00 Lunch
- 14:00 Study time and/or daily sports
- 15:30 Coffee
- 16:00 Student presentations
- 17:30 Scientific software development - exercise 1 - Danilo Piparo
- 18:30 Scientific software development - exercise 2 - Danilo Piparo
- 20:00 Dinner at MEDILS

Wednesday, 6 June 2018
- 09:00 Protection of resources and thread safety - Danilo Piparo
- 10:00 Optimisation of a large codebase - Sebastien Ponce
- 11:00 Coffee
- 11:30 Announcements
- 11:45 Many ways to store data - Sebastien Ponce
- 13:00 Lunch
- 14:00 Special sports afternoon
- 19:00 Outside dinner

Thursday, 7 June 2018
- 09:00 Scientific software development - exercise 3 - Danilo Piparo
- 10:00 Scientific software development - exercise 4 - Danilo Piparo
- 11:00 Coffee
- 11:30 Announcements
- 11:45 Preserving data - Sebastien Ponce
- 13:00 Lunch
- 14:00 Study time and/or daily sports
- 1 - Sebastien Ponce
- 18:30 Optimisation of a large codebase - exercise 2 - Sebastien Ponce
- 20:00 Dinner at MEDILS

Friday, 8 June 2018
- 09:00 Effective I/O for scientific applications - exercise 1 - Sebastien Ponce
- 10:00 Effective I/O for scientific applications - exercise 2 - Sebastien Ponce
- 11:00 Coffee
- 11:30 Announcements
- 11:45 Summary and future technologies overview - Andrzej Nowak
- 13:00 Lunch
- 14:00 Exam
- 20:00 Outside Closing Dinner

Starting time changed to 16:00

Student presentations

Luca Ambroz (University of Oxford, UK)
"Importance sampling for Monte Carlo Simulation in High Energy Physics"

Fabrizio Alfonsi (University of Bologna, Italy)
"A PCI Express based board proposed for the upgrade of the ATLAS TDAQ read-out system"

Andreas Alexopoulos (University of Thessaly, Greece)
"Beam Gas Vertex: Beam profile measurements for the HL-LHC era"

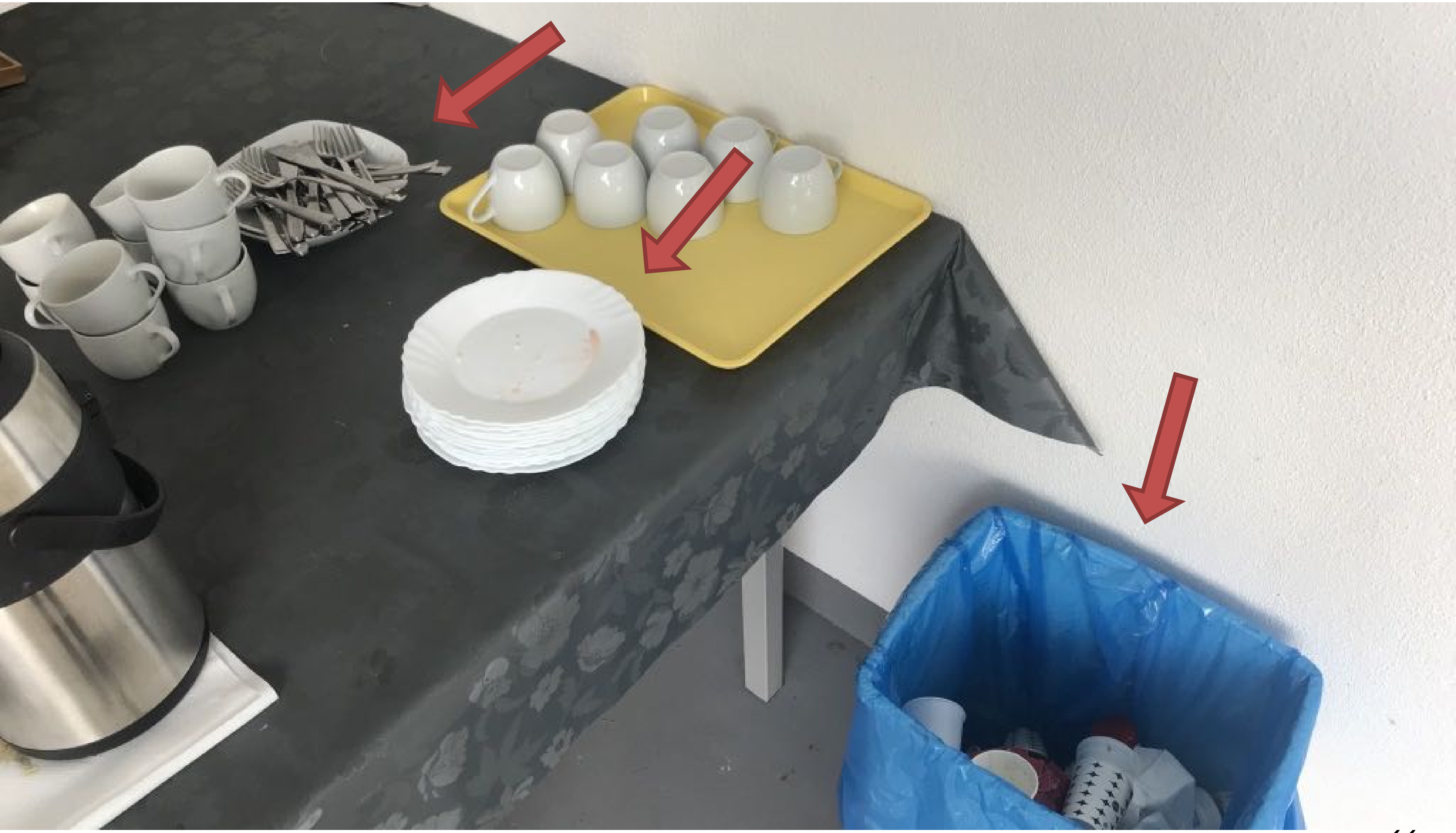
Marcel Schneider (CERN)
"A different approach: Just-in-time compilation"

Jan-Paul Hucka (Technische Universität Darmstadt, Germany)
"LSA for FAIR"

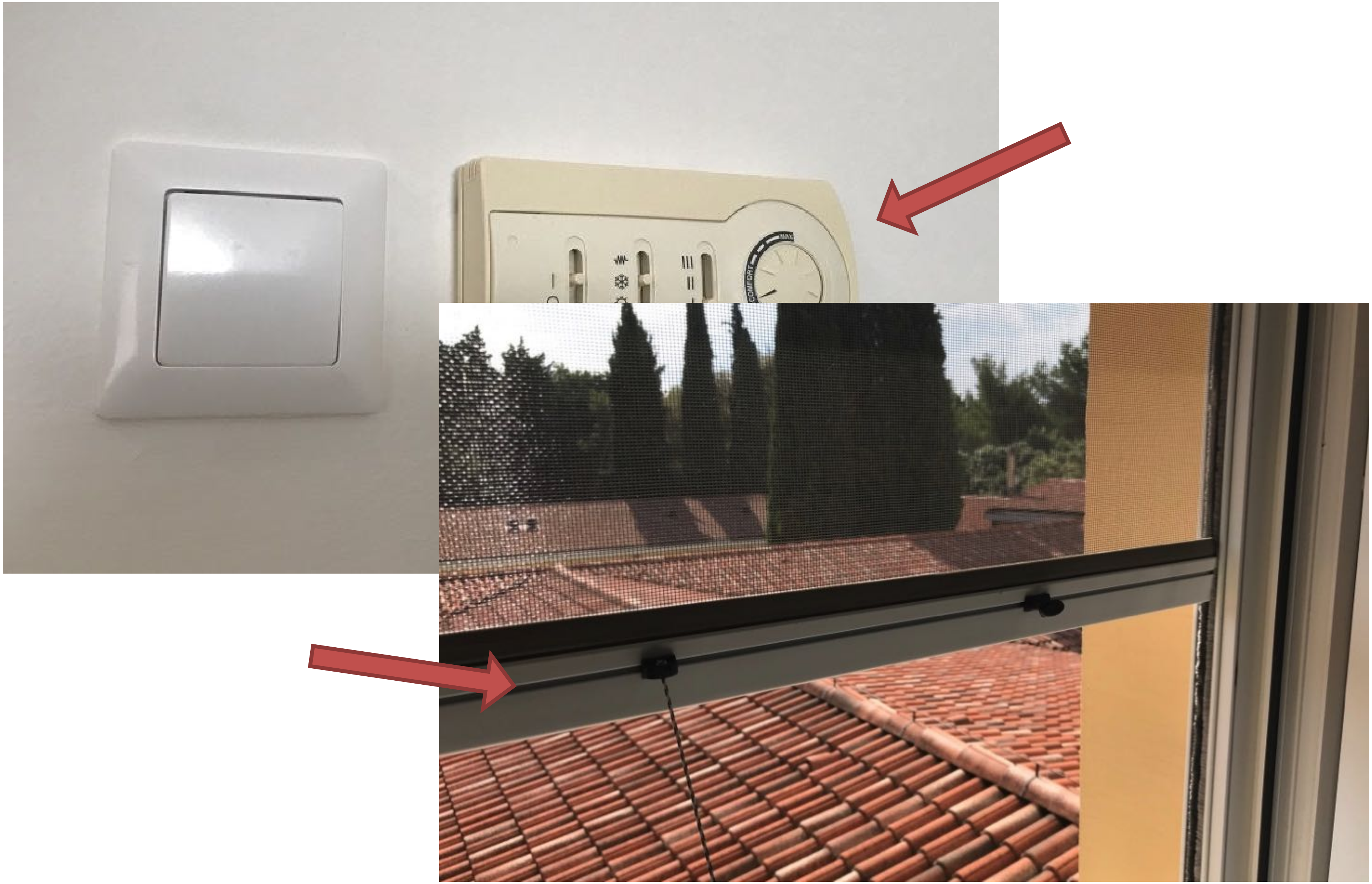
Francesco Antoniazzi (INFN CNAF, Bologna, Italy)
"Internet to Web of Things evolution. Semantic-driven agent programming"

Other

Meals – thanks for bringing your dishes

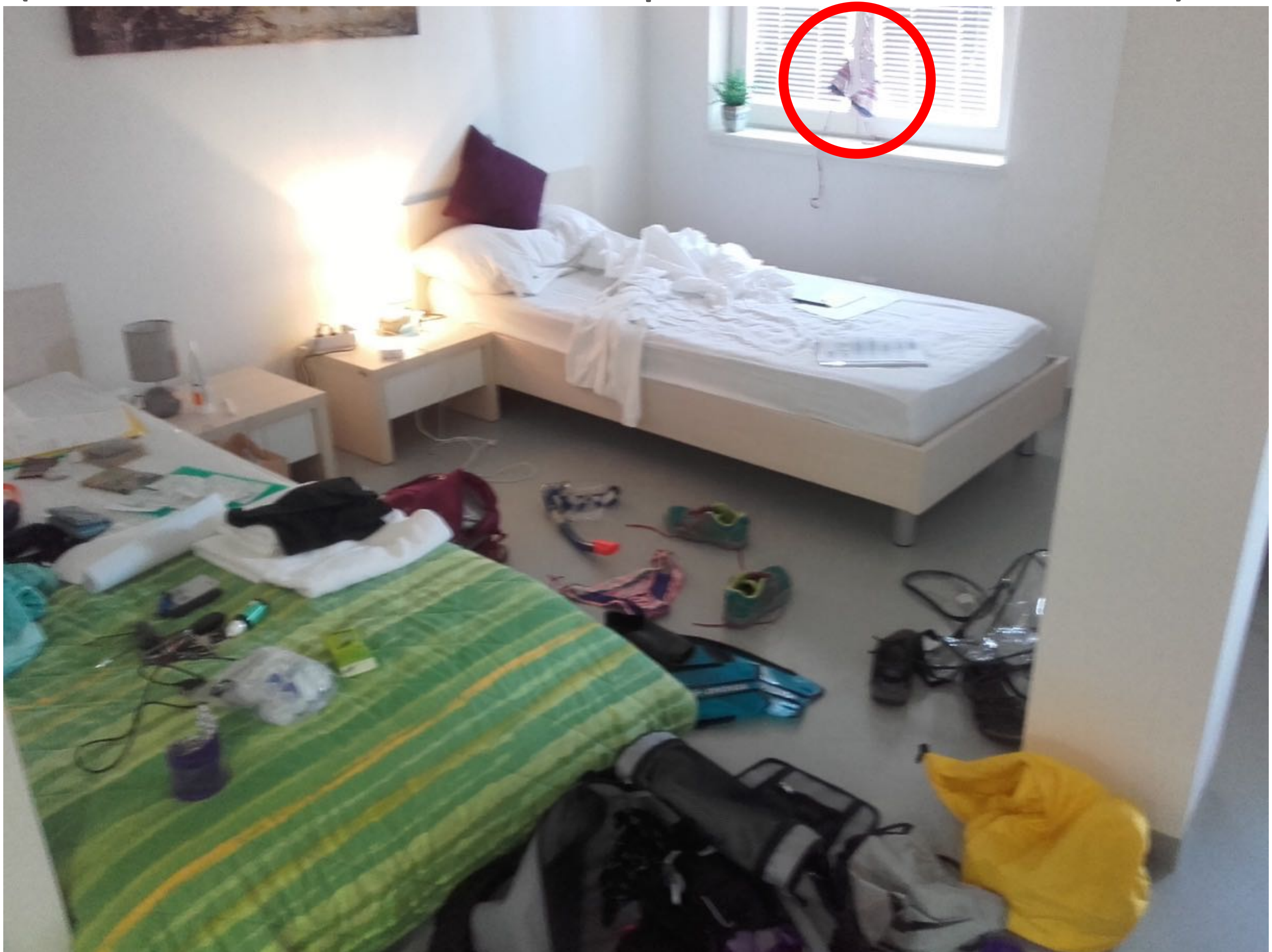


Hot room? Mosquitos outside?



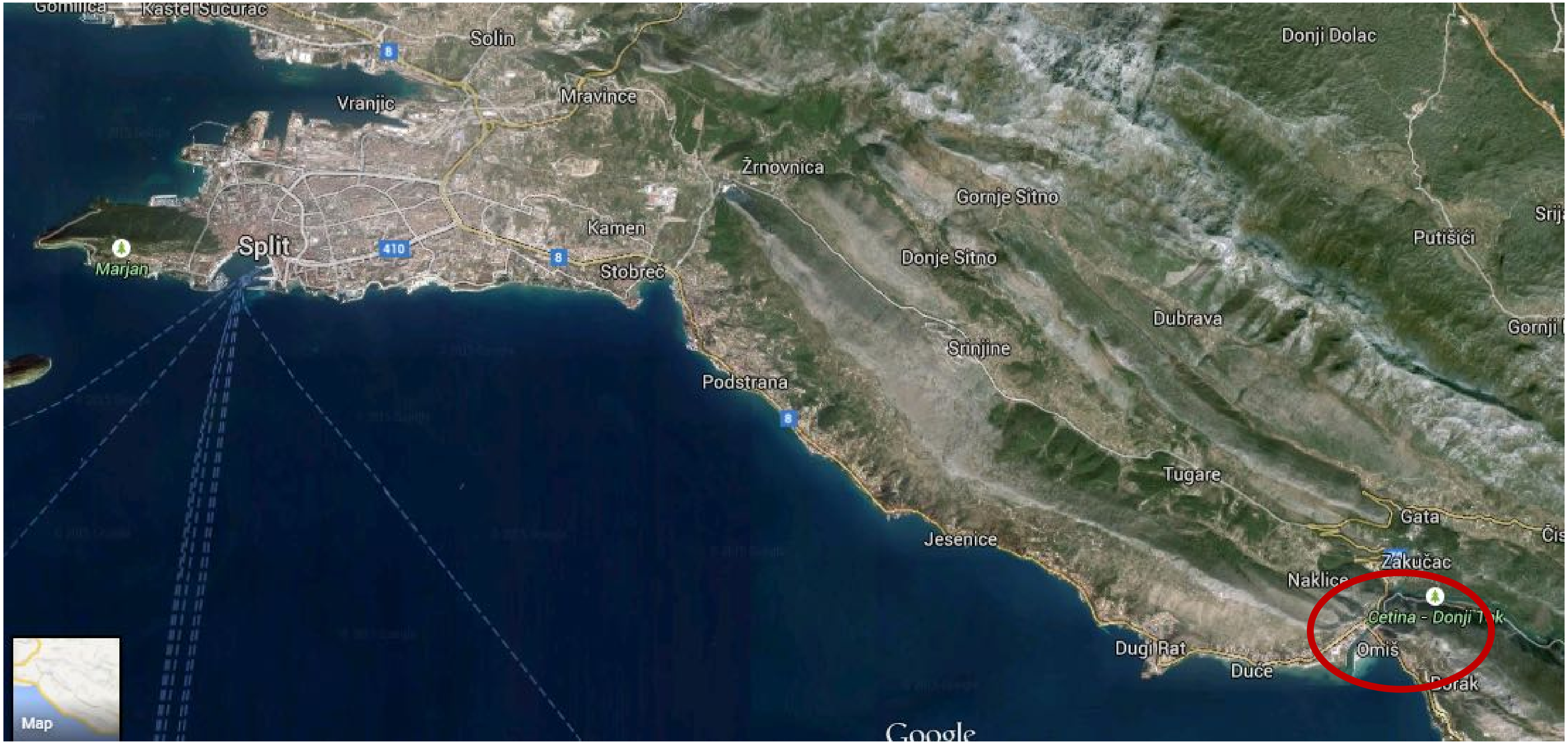
Room cleaning tomorrow

(floor vacuumed, bins emptied and new towels)



Wednesday sport afternoon - rafting

Omiš town and Cetina river


Kastel Sucurac
Solin
8
Vranjic
Mravince
Donji Dolac
Žrnovnica
Gornje Sitno
Srij
Putišići
Split
410
8
Kamen
Marjan
Stobreč
Donje Sitno
Dubrava
Gornji
Srinjine
Podstrana
8
Tugare
Gata
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Omiš
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Map
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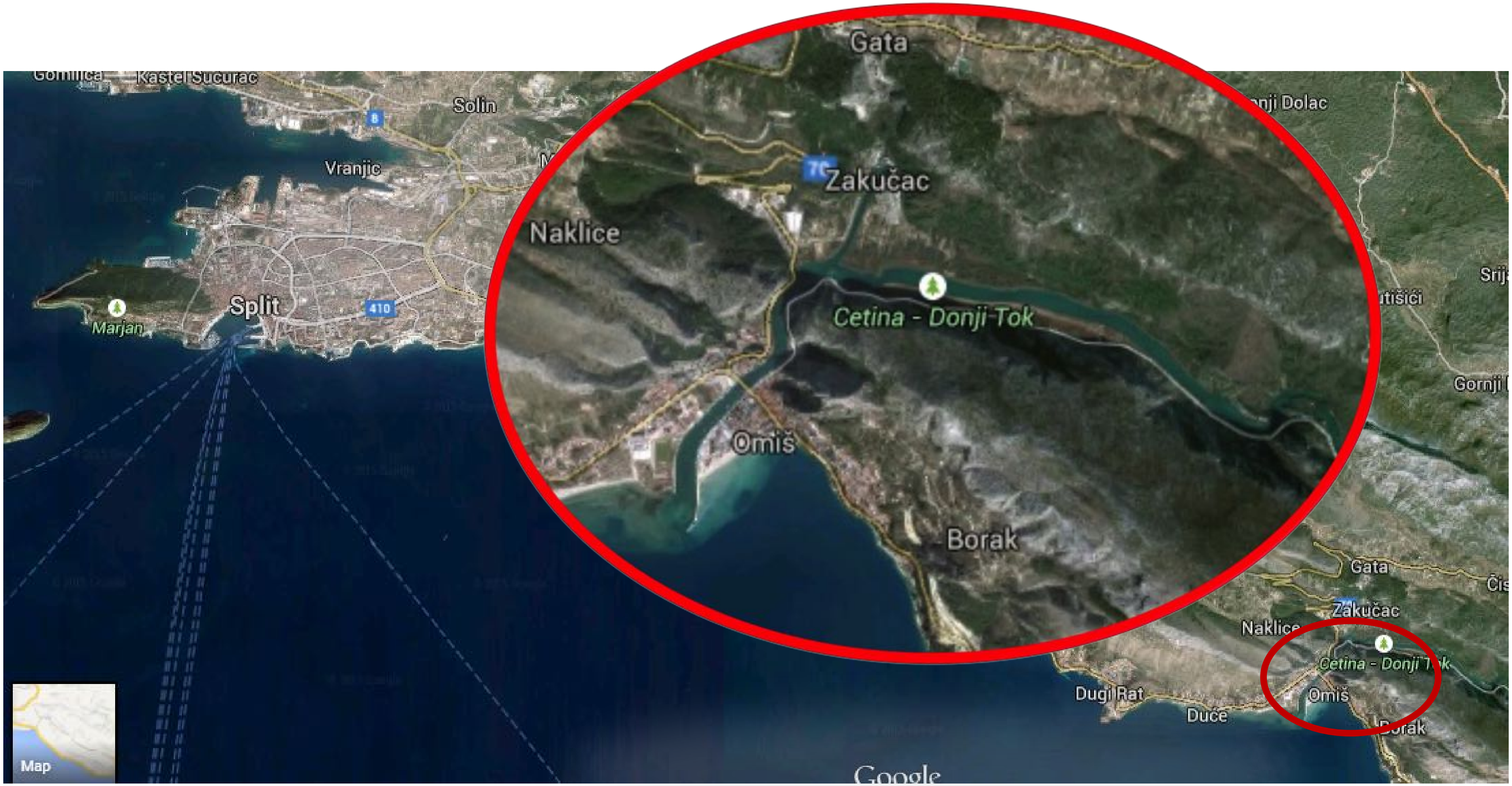
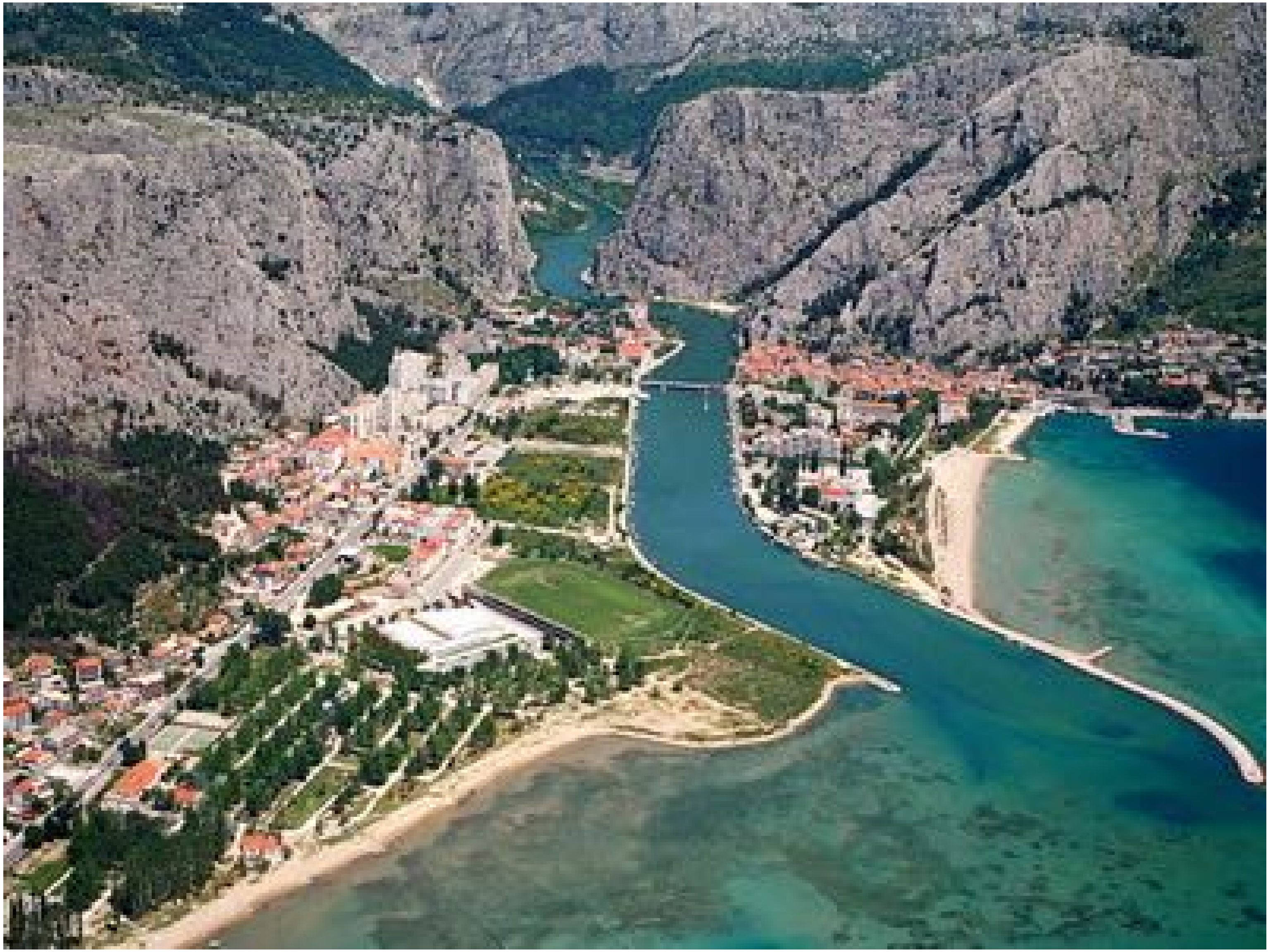
Omiš town and Cetina river


Gata
Zakučac
Naklice
Cetina - Donji-Tok
Omiš
Borak
Kaštel Sućurac
Solin
Vranjic
Split
Marjan
Dugi Rat
Duće
Gata
Zakučac
Naklice
Cetina - Donji Tok
Omiš
Map
Google

Omiš town and Cetina river



By Tafra.stipe [Public domain], from Wikimedia Commons

Wednesday sport afternoon

- 3 possibilities
  - Rafting on the Cetina river
  - Beach/free time in the town of Omis
  - Free time at MEDILS

Rafting on Cetina river

Rafting on Cetina river

GUMAR

Wednesday sport afternoon

- 3 possibilities
  - Rafting on the Cetina river
  - Beach/free time in the town of Omis
  - Free time at MEDILS

Wednesday sport afternoon

- 3 possibilities
  - Rafting on the Cetina river
  - Beach/free time in the town of Omis
  - Free time at MEDILS
- Traditional *"peka"* dinner
  at Radmanove Mlinice restaurant

For everybody: traditional dinner

at Radmanove Mlinice restaurant

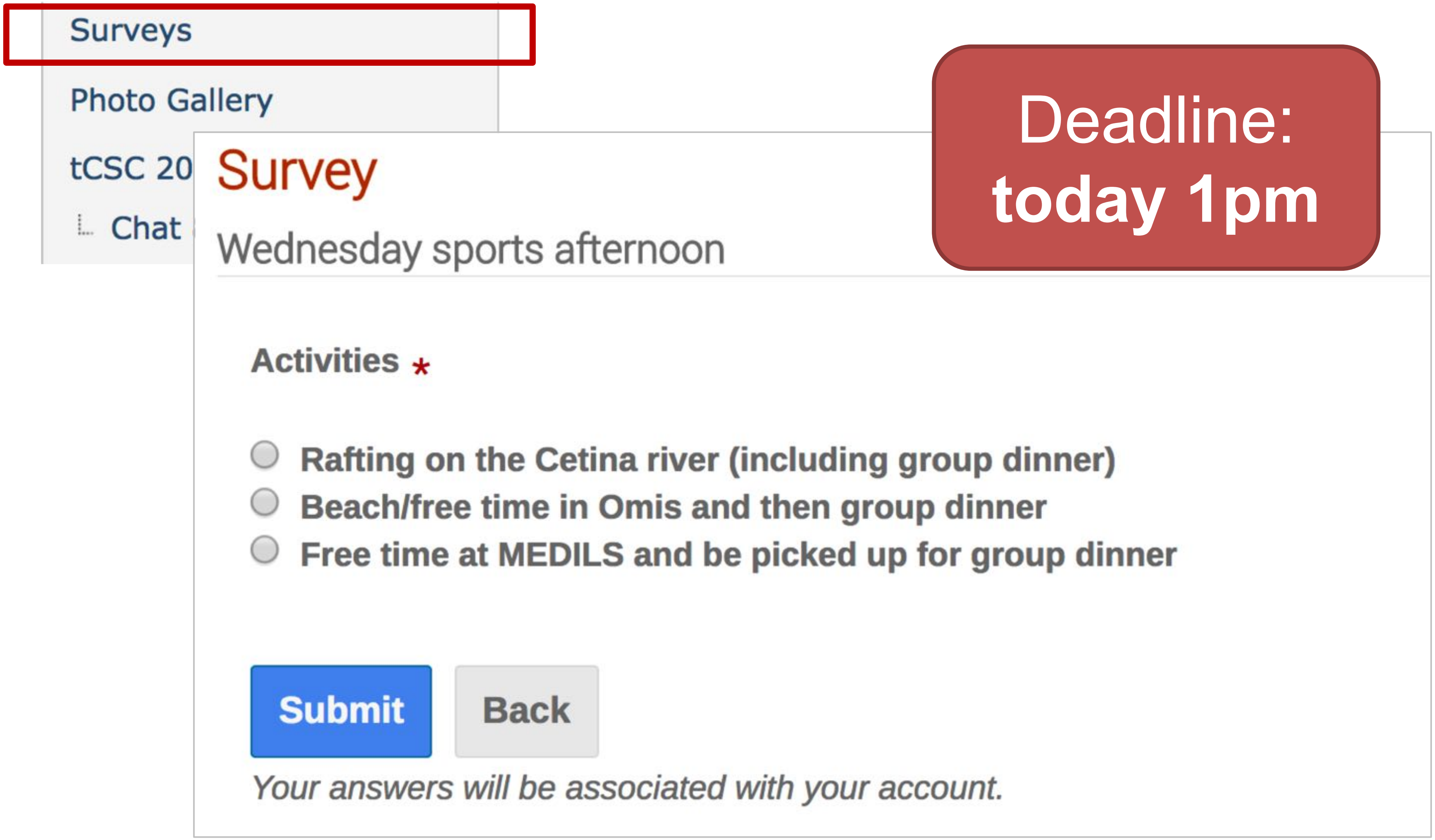
STUDENAC
RADMANOVE MLINICE
STUDENAC

Wednesday sport afternoon

- 3 possibilities
    - Rafting on the Cetina river
    - Beach/free time in the town of Omis
    - Free time at MEDILS
- Traditional *"peka"* dinner
  at Radmanove Mlinice restaurant
- Transport will be provided –
  but we need to know your choice!
  http://indico.cern.ch/e/tCSC-2018 -> Surveys

Wednesday sport afternoon

http://indico.cern.ch/e/tCSC-2018 -> Surveys



Surveys
Photo Gallery
tCSC 20
Chat

Survey

Wednesday sports afternoon

Activities *

○ Rafting on the Cetina river (including group dinner)
○ Beach/free time in Omis and then group dinner
○ Free time at MEDILS and be picked up for group dinner

Submit
Back

Your answers will be associated with your account.

Deadline:
today 1pm

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