

Comments to EURO-16 Datafile

The document contains 5 sheets, each are briefly commented in the below sections. Each section have the name of the corresponding sheet

Areas

Sheet contains two columns:

1. Column 1: Area name
2. Column 2: Area idx, referred to in Stream sheet

Streams

Sheet contains four columns:

1. Column 1: Stream name
2. Column 2: No of sessions to allocate
3. Column 3: Area which the stream is part of, refer to idx from Area sheet.
4. Column 4: No. of (expected) attendees.

BuildingsAndRooms

Sheet contains 16 columns. The largest building have 15 rooms.

1. Column 1: Building name
2. Column 2-15: Size of room, in no of seats. If the value is 0, this room does not exist, if it is negative, it is not part of the planning, but used for other purposes.

DaysAndTimeslots

Sheet contains 6 columns

1. Column 1: Days of the conference (where areas, streams and sessions are planned).
2. Column 2-6: Timeslots for each day. 1 means that this timeslot on this day may be used for sessions, 0 means that it cannot be used for sessions.

ExtraLimitations

To give the program chair (Prof. Daniele Vigo) the possibility to force changes for specific streams. The sheet contains 5 columns:

1. Column 1: Stream name
2. Column 2: Constraint counter (i.e. for each extra constraint limitation for one stream)
3. Column 3: Day index (1 Monday, 2 Tuesday and 3 Wednesday)
4. Column 4: Timeslot
5. Column 5: Force stream to be here (value 1) or force stream NOT to be here (value 2)

AreaConnectionMatrix

The Area-Connectin-Marix is a symmetric incidence matrix, where a 1 in the matrix means that it is desirable that the corresponding Areas should be co-located in the same building. We use the indexes from the sheet Areas, i.e. 1 and 3 should be co-located, i.e. the areas Analytics_Data_Science_and_Data_Mining and Continuous_Optimization should be co-located.