



Minutes

8th Transnational Meeting

Ibi (Spain) 3rd - 4th July 2018

Attendees: Irene Pastor (Foia), Jorge Brotons (Foia), Pablo Hernandez (Foia), Juan Manuel Bernal (Foia), Manuel Rico (Foia), Davor Malović (Sisak), Davor Lužaić (Sisak), Zrinka Tomljenović (Sisak), Ivana Šmint (Sisak), Nenad Bojčetić (Sisak), Mirosław Mendecki (ZS10), Małgorzata Jurczyk (ZS10), Wirginia Tomczyk (ZS10), Tomasz Kądziołka (ZS10) Franci Uduč (Krsko), Zoran Tkavc (Krsko), César Carrión (AIJU), Tamara Aguilar (AIJU), Ignacio Seguí (AIJU).

Day 3rd July 2018

- At 9:00, Mr Felipe Garrido (IES la Foia Principal) have received the partners. Mrs. Irene Pastor as Coordinator has summarised the project status and has reviewed the Meeting Agenda.
- Ms. Irene Pastor (Foia) has commented on the relevant aspects of Project Management all partners have in Google Drive folders.
- Since the intellectual outputs have been developed, the timesheets are reviewed and all the partners must sign them correctly on the part of the person responsible (headmaster, principal, director) and stamp them. Partners must upload scanned timesheets in their folder within Google Drive.
- All Partners with approved exceptional costs must upload the corresponding scanned invoices in Google Drive. For customising drones, you can buy the components that you consider appropriate in order to implement the most interesting part of drones for each school: All schools should update their status of Exceptional Costs using the excel file available in Google Drive. Remember that for all Exceptional Costs invoices there must be an additional English translation. It was discussed about the evolution of drone sector allows now to buy kits or assembled drones to disassemble and customise more economically and, above all, faster than buying separate components and without customs problems.

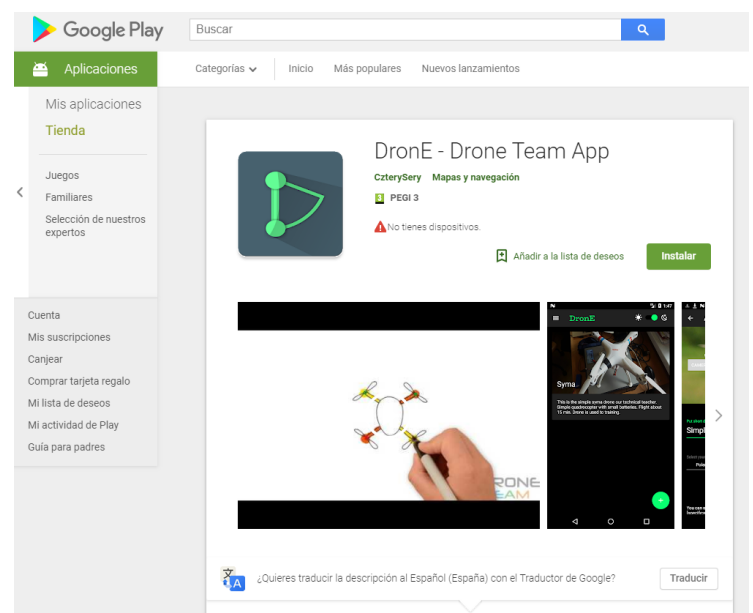
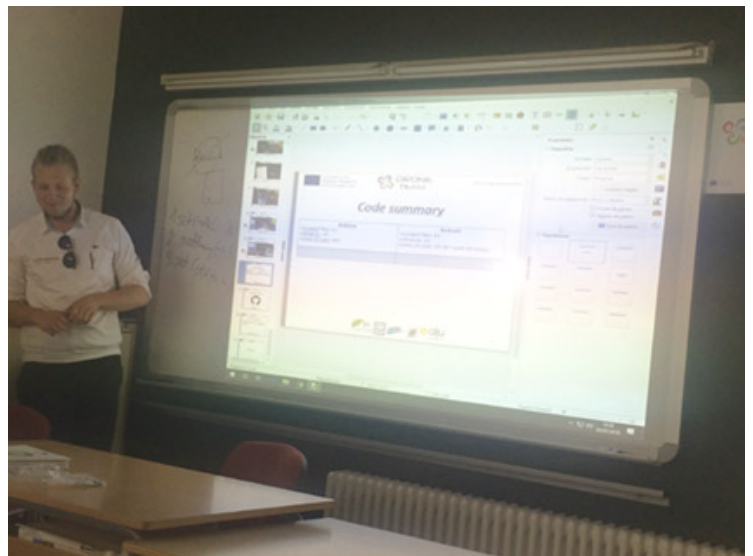




- All partners have developed successful Multiplier Events. However, all Partners must make more efforts to disseminate the results and offer the DroneTeam ELearning Platform in different platforms: eTwinning, Scientix, and related forums.

- Mr. Ignacio Segui (AIJU) explained the problems with the Polish server for the eLearning platform and the temporary location on the AIJU server. Sustainability was discussed and it was recalled that the eLearning platform will remain active for at least five years after the end of the project. It was also recalled that each partner is responsible for maintaining the platform of their language. The platform in English will be maintained by AIJU.

- Presentation of Drone Control App: DroneE the Drone Team app developed. Led by ZS10, coded and presented by Tomasz Kądziołka, DroneE is an application created to control drones from an android device. This developed software also allows any user to configure the application for their drone, since it is an open source development. Using Mavlink as a communication protocol using Mission Planner as a ground control station and how to implement it for Arduino (Ardupilot as an advanced drone flight controller). The development of this application has been an expensive work that has been able to follow its progress in all project meetings, led by ZS10 that has formed a team of students led in turn by Tomasz Kądziołka have solved an open source application as a communication standard of any drone that uses open source hardware based on Arduino. That is why all the partners congratulate the teachers ZS10 and especially Tomasz Kądziołka and the rest of the programming team for the successful outcome of this application after overcoming problems encountered in its preparation and above all for the arduous task of coding. The coding summary shows: 34 libraries created and 645 lines of code for Arduino; 26 libraries and 19,087 lines of code (including libraries) for Android. DroneE is available in Google Play.



Making and designing a toy drone through multidisciplinary collaborative work

Project no.2015-1-ES01-KA202-015925



- The partners have gone to AIJU, where they have been able to visit the virtual simulation room and try both the flight simulator and the virtual reality application developed by AIJU that simulates a racing drone. The 3D model drone was also seen in a hologram animation. Also different personalised drones and components were showed.



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- At 11 am the press was called to present the project, visit the simulation and virtual reality room, as well as answer journalists' questions.



A flying demo of some drones under 250 grams were made indoor for graphic press.

- And outdoor flying demo with bigger drones.





- Juan Manuel Bernal (IES la Foia) and Ignacio Segui (AIJU) presented the project and subsequently attended the numerous media in the simulation and virtual reality room together with the simulator to learn the flight and the virtual reality application



- Consortium partners were transferred to the town hall where the Mayor of Ibi made a reception and presented the participants with several videos the city of Ibi, its festivals and traditions, its powerful industry and made a small institutional detail in the form of representative figure of the city to the representatives of the three schools from Croatia, Poland and Slovenia.



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- The institutional visit was attended by both the Principal of IES la Foia, Felipe Garrido, and the Director of AIJU, Manuel Aragonés. Meanwhile, Irene Pastor (IES la Foia) as coordinator, gave the Mayor a bag of DroneTeam and attended the local television.



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- After lunch time, partners met at IES la Foia facilities again and discussed the eLearning platform, its sustainability and improvements. Ignacio Segui (AIJU) explained the problems with the Polish server and that the eLearning Platform was temporarily changed to an AIJU server in order to properly configure it and perform multiplier events without problems. The final migration of the platform will be valued taking into account that it must be active for 5 years after the end of the project. Zoran Tkavc (Krsko) proposed to improve the registration and that could also be done from Facebook to be quicker. AIJU said that it would study this option from the technical point of view and that it would implement it. Franci Uduč (Krsko) proposes the registration of the project in Scientix platform and in several specific Facebook groups.
- Partners' presented the work developed from 7th meeting, Dissemination activities and Multiplier Events developed.



- Partners' made the project self-evaluation: internal impact and proposed upcoming actions to disseminate more the project results.
- Partners discussed about the work to do after the 8th meeting and concluded tasks to do:
 - Complete Project Administrative Management.
 - Updating the eLearning Platform (feedbacks&improvements)



- License IO1 to IO8 as OERs (Open Educational Resources). Proposed license as CC BY-NC-SA (Attribution, Non Commercial, Share Alike. We permit Derivative Works)
- Working in Dissemination & Impact (e-Twinning, Scientix, School Education Gateway, Emma European Moocs)
- Updating Official Webpage and social media.



Photo Group

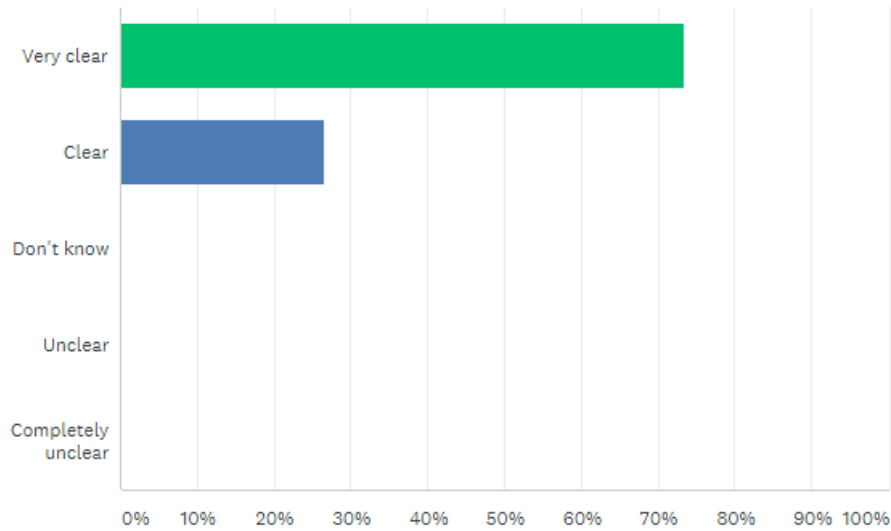
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ANNEX: 8th Transnational Meeting Quality Questionnaire Results

Q1
After meeting conclusions, how clearly do you understand next steps to the end of the project?

Answered: 15 Skipped: 0



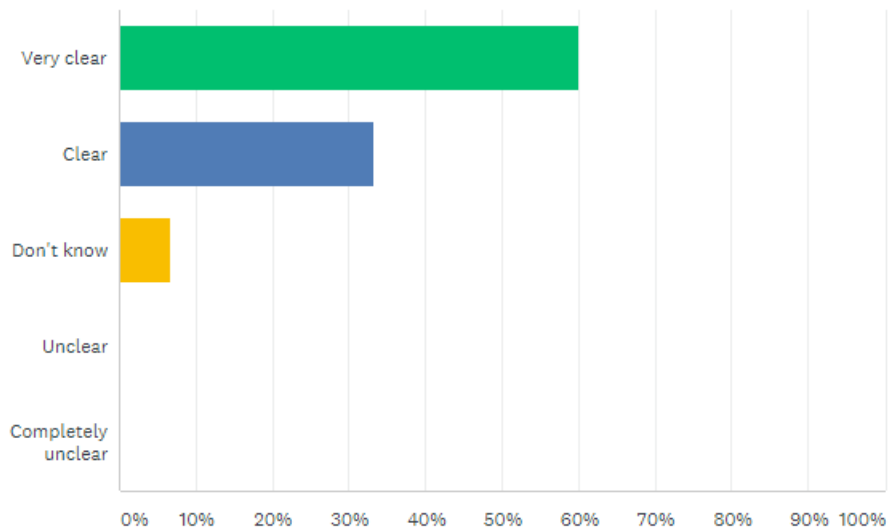
ANSWER CHOICES	RESPONSES
Very clear	73.33% 11
Clear	26.67% 4
Don't know	0.00% 0
Unclear	0.00% 0
Completely unclear	0.00% 0
TOTAL	15



Q2

How clearly defined are for you Project Management, Financials, Timesheets, Exceptional Costs, etc.?

Answered: 15 Skipped: 0



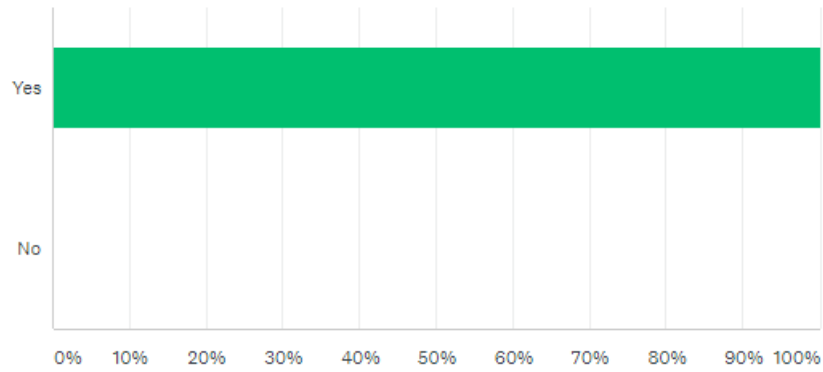
ANSWER CHOICES	RESPONSES
Very clear	60.00% 9
Clear	33.33% 5
Don't know	6.67% 1
Unclear	0.00% 0
Completely unclear	0.00% 0
TOTAL	15



Q3

In your opinion, are the next deadlines agreed during the meeting feasible?

Answered: 15 Skipped: 0



ANSWER CHOICES	RESPONSES
Yes	100.00% 15
No	0.00% 0
TOTAL	15



Q4

Remember three years ago when the project started and also all the work we have done so far. Please comment on how your perception of the project has changed during this time. Have you fulfilled your initial expectations or not?

Answered: 15 Skipped: 0

Showing 15 responses

Yes, my initial expectations have been fulfilled. I think we have done a lot and we have invested a lot more time and money than the project gives us. Partners have been involved and have contributed in many new things, such as developing an open source app, a game of drones, simulators including virtual reality, and active student participation.

All my expectations have been exceeded.

It was an interesting topic but I had no real knowledge. After three years I can say that I am quite expert in the components of a drone and its possibilities. I include it already in my classes and it is interesting for my students. So, I can say definitely that the Drone Team project has fulfilled my initial expectations.

In my school, we did not have knowledge about drones, but we have learned a lot and now we have incorporated it into our classes. The interest of the students has grown. This project has fulfilled our perspectives :-)

Yes, absolutely. Complex Project but really satisfactory. We have learned about drones, for sure.

Yes, I have

Drone team project was very important project for the school for both teachers and students. It was "just on time" because we witnessed the time of evolutions of drones in the various field of use. During project teachers and students involved learned lots of new things about electronics, components of the drone... and also improved their language skills. So, yes initial expectations were fulfilled and more.

Yes. I would like to highlight the good result of the platform despite all the inconveniences.



Yes and especially highlight the good work of AIJU.

My expectations have been met. I feel that project has good. The project brought many benefits to my school - students and teachers

It has been fantastic and very useful.

For me, this project has been very very interesting. I have learnt a lot about drone´s world: parts, technology, performance, processes, etc. Besides, I have been able to practise English and meet people from different countries.

Too much long project.

Yes. We have made a big progress. It has been a very productive learning and it has had a big impacto on the teachers and students

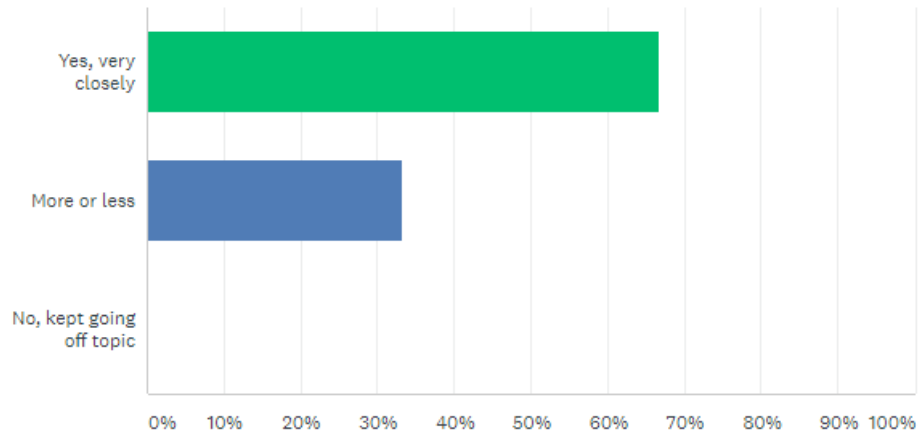
I had no clear idea about the whole project when it started. I think now it is clear enough.



Q5

Did the meeting closely follow the agenda?

Answered: 15 Skipped: 0



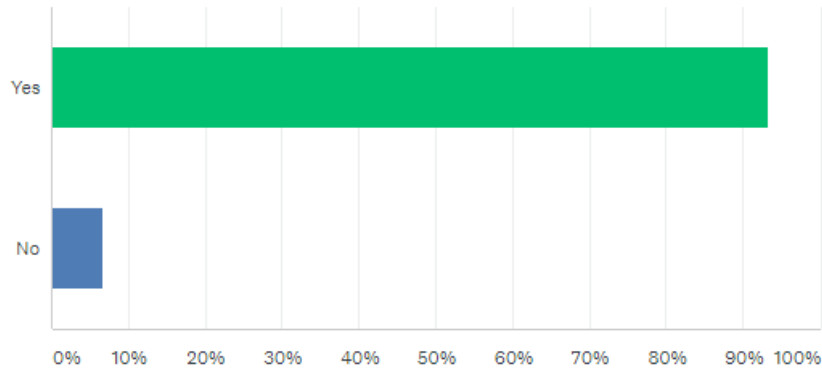
ANSWER CHOICES	RESPONSES
Yes, very closely	66.67% 10
More or less	33.33% 5
No, kept going off topic	0.00% 0
TOTAL	15



Q6

Were all partners given time and opportunity to contribute to the meeting in Agenda or asking frankly?

Answered: 15 Skipped: 0

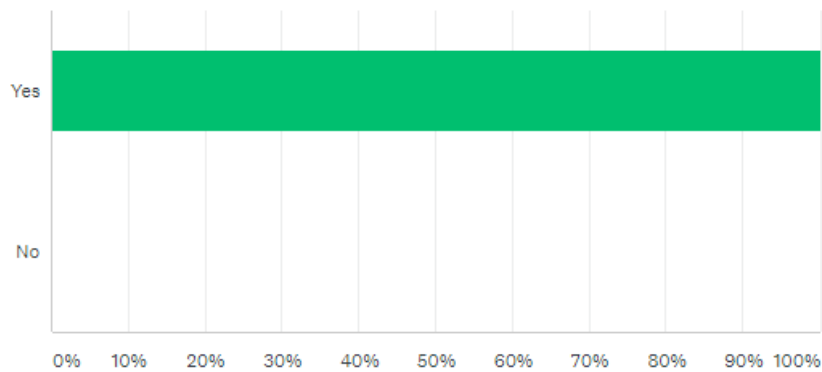


ANSWER CHOICES	RESPONSES
Yes	93.33% 14
No	6.67% 1
Total Respondents: 15	

Q7

Was the meeting venue comfortable and appropriate? (rooms, wifi, etc.)

Answered: 15 Skipped: 0



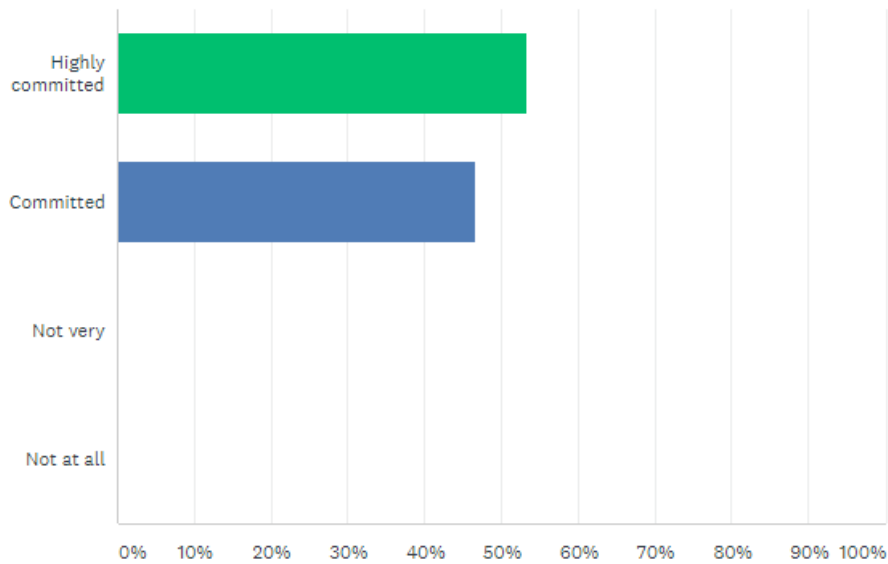
ANSWER CHOICES	RESPONSES
Yes	100.00% 15
No	0.00% 0
TOTAL	15



Q8

To what degree do you feel the entire partnership was committed to get the most out of the meeting?

Answered: 15 Skipped: 0



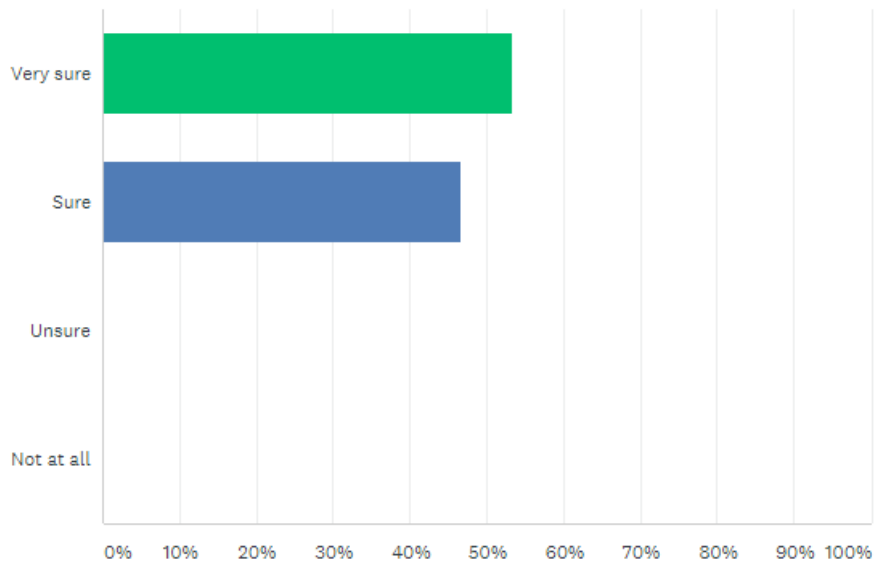
ANSWER CHOICES	RESPONSES
Highly committed	53.33% 8
Committed	46.67% 7
Not very	0.00% 0
Not at all	0.00% 0
TOTAL	15



Q9

About the project impact assessment made in this meeting, do you think the project objectives&impact have being achieved?

Answered: 15 Skipped: 0



ANSWER CHOICES	RESPONSES
Very sure	53.33% 8
Sure	46.67% 7
Unsure	0.00% 0
Not at all	0.00% 0
TOTAL	15



Q10

Are there any other comments you wish to make? (about project in this period, this meeting, last project period, etc.)

Answered: 10 Skipped: 5

Showing 10 responses

- Thank you all, I learned a lot and it is useful for me.

- Thanks to the Spanish partners for the great meeting.

- I want another project like this!

- These projects are very important for schools, since teachers and students have the possibility of knowing new technologies that otherwise it is very difficult to get to know. In addition to sharing and seeing how it works in other European centres. We need more projects like this. Highlight in this project the technical support of AIJU that has solved our doubts and has helped us in the implementation at school.

- I think all partners have done a lot more than we wrote in the application form. Great involvement of teachers and students.

- All right. Thank the Spanish partners for their hospitality.

- Excellence organization by Spanish partners.

- Fantastic and very useful

- I would have liked to discuss on sustainability of the project.

- It was a great experience.
