

## **FP6 IP HYDROMEL 30 Technical Meeting in Paris – Gennvilliers (FR)**

**1 - 3 April, 2009**



### **Paris, Gennevilliers, ALMA premises, April 2009 30 Months Technical Meeting**

April 2009 was the date for the 30 Months Technical Meeting of the Hydromel project. This date was particularly important for the project, because three main events has been gathered together in the same venue to make more efficient project organization:

- April, 1<sup>st</sup>: first Exploitation Strategy Seminar (offered by the European Commission) and held by Dr. Mauro Caocci – CIMATEC
- April, 2<sup>nd</sup>: periodical General Assembly Meeting
- April, 3<sup>rd</sup>: First Hydromel Advisory Board

The event was hosted in the brand new ALMA premises in Paris, in a modern and environmental friendly new concept building equipped with all facilities for meetings. An average of 40 participants has been present to the three days meeting and all the Hydromel partners were represented. Hydromel had also the pleasure to host Dr. Mauro Caocci from CIMATEC who is the moderator and responsible for the organization of the Exploitation Strategy Seminar offered by the Euroepan Commision for the projects funded under the Sixth Framework Programme. Other very welcome guests have been the Hydromel Advisory Board members: Dr. Andrea Reinhardt from

MICROTEC (GE), Dr. Phil Keenan from 1Limited (IR), Dr. Luigi Occhipinti from ST Microelectronics (IT), Dr. Alan Codourey from ASYRIL (CH), Dr. Davide Giaquinta from SORIN BIOMEDICA CARDIO (IT).

#### **April, 1<sup>st</sup> EXPLOITATION STRATEGY SEMINAR (ESS)**

The first day of the meeting has been devoted to the execution of the ESS having Dr. Mauro Caocci as moderator. The main objective of the seminar has been to provide the consortium with a clear view about the concrete exploitable results coming from the project and the potential risks and IPR claims arising around them. To achieve this goal, the whole consortium has been involved since the month of January in the important task of identifying and characterizing the technologies and the products developed within Hydromel having the potential to be “exploited”: this means industrialized, marketed and sold during or after the end of the project. This selection has been the starting point of the seminar during which the consortium had the chance to enhance its knowledge about the marketing instruments available to convey the project results to the customers.

The final part of the seminar has been devoted to the execution of a detailed risk analysis about the most strategic results identified for the project.

At the end of the day appeared clearly the huge potential of the Hydromel project in terms of new technologies and products and the importance to solve the possible potential IPR problems identifiable at this stage. Dr Caocci main advise has been that since Hydromel partners are working in very interactive way in each demonstrator it will be important to clarify, from the end user point of view, who and how will have access to the exploitation rights.



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30 Months Technical Meeting  
Exploitation Strategy Seminar, Dr. Mauro Caocci, moderator of the seminar**



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30 Months Technical Meeting

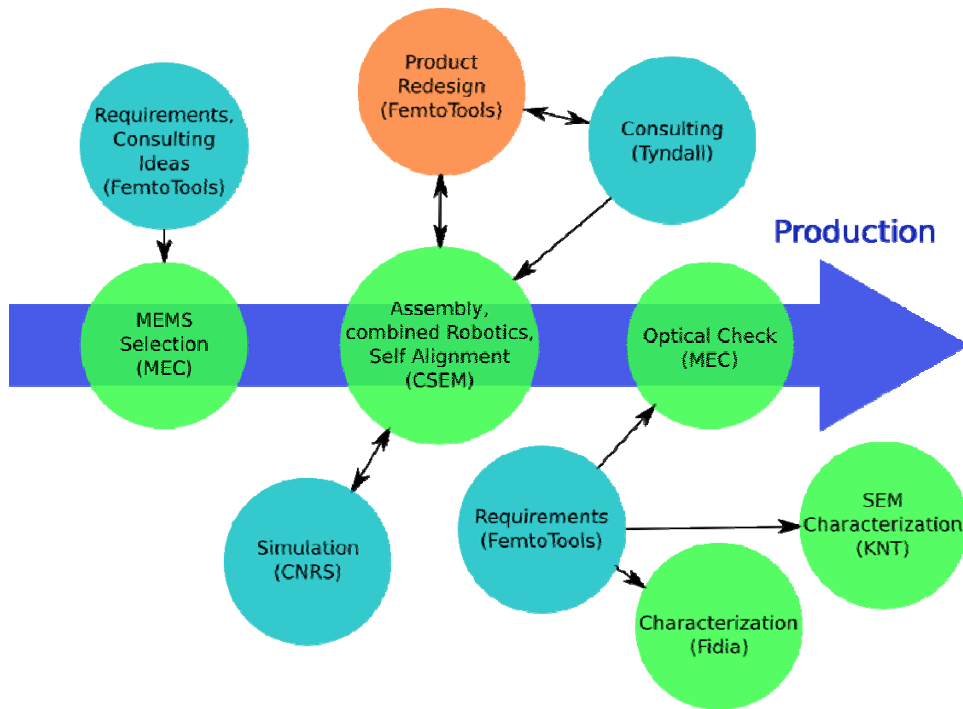
Exploitation Strategy Seminar, Hydromel partners in the Risk Analysis phase of the seminar

## April, 2<sup>nd</sup> General Assembly Meeting

The second day of the meeting has been dedicated to the General Assembly Meeting in which a specific sessions has been dedicated to the update of work in progress in each of the five Hydromel demonstrators: most of the demos are currently in time with respect to the planned activities, others have been redefined due to recent changes in the consortium partnerships and will require still some months before reaching a full definition of each production step.

Particularly interesting have been the updates about the demonstrator related to hybrid packaging of micro - sensors and micro - assembly. Working in close contact with the end user FEMTOTOOL, partners involved in this demo completed in the last six months the new assembly process and at the moment the expected **cost reduction with respect to the standard production cycle is 20%**. The innovation in the process is mainly based in the reduction of the manipulation steps by hand through the use of robot positioning and self-assembly and a redesign of the micro components. For further information about this demo and partners involved, please contact [Jens.TAPROGGE@csem.ch](mailto:Jens.TAPROGGE@csem.ch). Additional data on this demo are included in the restricted area of the web site, please register and log in to learn more.





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**30 Months Technical Meeting**  
**Demo1 Hybrid Packaging of micro devices: RTD providers and end users**



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**30 Months Technical Meeting**  
**GA Meetings, Separate meetings on demonstrators**

## **April, 3<sup>rd</sup> Advisory Board Meeting**

Hydromel partners had the chance to have their first meeting with the members of the Advisory Board in Paris, after the 30 Months Technical Meeting General Assembly. The meeting was hosted by Alma Consulting Group in its brand new headquarters located in Gennevilliers.

All the AB members were present: Andrea Reinhardt from MICROTEC (Germany), Luigi Occhipinti from ST Microelectronics (Italy), Davide Giaquinta from SORIN Biomedica (Italy), Alain Codourey from Asyrl (Switzerland) and Phil Keenan as independent expert.

Objective of the meeting has been mainly to analyse industrial relevance of Hydromel results and to investigate new business opportunities outside the consortium. in comparison with European and above all worldwide market. All the members of the board has a strong industrial oriented view being involved since many years in nano-manufacturing process chain with experience in US, Asia and Japan.

An open discussion followed the general presentation of Hydromel contents and started with the collection of the preliminary comments/impressions from the AB members after the first round of presentations.

**Alain Codourey** noted: "I can see interesting results in merging robot positioning + self assembly techniques, but further efforts are needed to integrate and finalise the progress made and keep the project always on the right way till the end."

**Andrea Reinhardt** commented: "I'm very interested to Demo2 related to Tags Assembly. Tags assembly market can be a great opportunity for Hydromel results and the Hydromel approach is quite challenging. I recommend a strong industrially oriented approach in designing orientation techniques, because tags orientation is the key – issue to face successfully this market".

**Luigi Occhipinti** (ST MICROELECTRONICS) continued saying that "I'm deeply impressed by the huge number of activities and demos, of which some are very close to market exploitation, some are exploitable in the longer term. In the first case some more efforts in benchmarking are needed, such as in the case of RFID fluidic assembly, where could be very useful to get more information about cost analysis and throughput. In the second case, longer term exploitation, more fundamental research is needed in DEMO4, where the project covers a wide range of technologies. Anyway I think that overall the project is well organised and structured."

**Davide Giaquinta** was then called to give his comments: "I'm very impressed by possibilities related to performance of some activities and in particular I was struck by throughput achieved in DEMO 3. Important features are also manufacturing time, profitability of the company and this should be also taken into consideration. I would suggest a comparison in DEMO3 with other running projects on the same topic".

The first round of comments was concluded by **Phil Keenan**: "I was formerly employed in my past carrier in IBM corporation and Hewlett Packard and several times I had to face the problem of assembly. Here the critical issue is that the market is not ready yet to integrate self assembly technologies, because components are not designed for them. Anyway I think that the challenge in DEMO2 is quite stimulating and risk in terms of scalability of process at industrial scale should be carefully evaluated. In general I think that the project is impressive for the high level of expertise and technologies brought together". For further info please visit the *Hydromel Advisory Board* area of the web site.

*HYDROMEL Dissemination Team*