EUROPEAN COMMISSION
DIRECTORATE-GENERAL
Joint Research Centre
Directorate Sustainable Resources
Water and Marine Resources Unit

12.8.2022

Summary Minutes

MSFD Technical Group Marine Litter

18th meeting of the TG ML

Hybrid meeting

28.-30. June 2022

Meeting venue: Hotel President, Starčevićeva 1, 21000 Split, Croatia and online

Tuesday, June 28th

1   WELCOME

Mrs. Snježana Dominiković Alavanja,(Croatian Ministry of Economy and Sustainable Development) welcomed the Members of the MSFD Technical Group on Marine Litter (TG ML), on behalf of the Croatian Ministry of Economy and Sustainable Development, in Split and highlighted the importance of the marine litter problem. Georg Hanke (GH, JRC), as TG ML chair, welcomed the Members of the TG ML, opened the 18th TG ML meeting.

2   OPENING OF THE MEETING AND ROUND TABLE PRESENTATION

TG ML Members presented themselves in a table round. In total, 23 participants attended the meeting physically and 27 online, via Zoom. Francois Galgani joined the meeting via remote connection from his new assignment place in Tahiti. Victor Komorin, Director of the Ukrainian Scientific Centre for Ecology of the Sea, joined the meeting as technical expert, in remote connection from Odessa, Ukraine. TG ML expressed the particular gratitude to Victor for joining the meeting despite the difficult situation caused by the war against Ukraine.

3   MSFD + PLASTICS STRATEGY + ZERO POLLUTION ACTION PLAN

Michail Papadoyannakis (MP) DG ENV provided an overview on recent policy developments related to the MSFD, starting with the monitoring and outlook framework of the EU Zero Pollution Action Plan (ZPAP) and its reduction targets. MP informed on the connection of the MSFD with the European Green Deal, and the Circular Economy Action Plan. Updates were also provided on MSFD related policies, such as the SUP Directive, Packaging Waste Directive, Urban Wastewater Management, Port Reception Facilities Directive, EPR schemes and activities on fishing gear.

MP briefly informed the TG ML about the international collaboration and global agreements on marine litter at UNEA-5, working towards a global treaty on Plastics.

4	MARINE ENVIRONMENT PROTECTION AND MARINE LITTER MANAGEMENT IN CROATIA

Mrs. Snježana Dominiković Alavanja, on behalf of the Croatian Ministry of Economy and Sustainable Development, provided an overview on activities regarding marine litter in Croatia (i.e., EU, Barcelona Convention, national). Mrs. Snježana Dominiković Alavanja informed the TG ML on the current development of the marine and coastal management strategy in Croatia in relation to the MSFD and ICZM goals (e.g., protection, preservation and restoration), and the programmes of monitoring and measures. Mrs. Snježana Dominiković Alavanja underlined the importance of a marine litter management system that emphasizes prevention and the transboundary problems.

5	ZERO POLLUTION ACTION PLAN

Mustafa Aydin (EEA) informed the TG ML on the EEA approach to the ZPAP monitoring assessments (ZPAP). EEA is developing indicators (e.g. nutrients in transitional, coastal and marine waters, Beach litter, Microlitter) based on EEA assessment products.

For marine litter, the ZPAP trend assessment will be based on MSFD TG ML coastline litter data provided by MS, through the EMODnet platform, in the context of the MSFD implementation.

7	MONITORING METHODOLOGIES FOR MARINE LITTER

General overview – Guidance
Luis Ruiz (JRC) informed the TG ML on the status of the monitoring guidance update drafting. The first draft compilation has been provided to the MSFD GES group on 29.4.2022, editing and completion of the guidance document is ongoing. GH invited the core authors of each chapter to give a more detailed update.

8	MONITORING METHODOLOGIES FOR MARINE LITTER - BIOTA

Implementation, guidance and development
- Ingestion + Entanglement (Methodologies/Species, Marine Mammals, Data collection, Plasticweb, etc.)

Francesca Ronchi (IT), on behalf of the core authors of this chapter, informed the TG ML that the current version of the chapter is considered as a final draft.

MP thanked the leaders of the INDICIT project and highlighted the importance of this group, in terms of common implementation strategy and harmonised protocols for monitor and assess marine litter across the EU. He also reminded the TG ML group about the obligations to produce guidelines and to help the Member States implementing MSFD in a cost-effective way.

TG ML Members shared their experience about entanglement/ingestion monitoring. Some TG ML Members underlined the limitations in financing monitoring programmes for continuity beyond research projects and the importance of establishing long-term monitoring programmes.

It was proposed and agreed to prioritise and select large scale agreed methods for cost effectiveness and enabling large scale coverage on impact criteria. The expert community on impact criteria should be re-assembled and consulted to facilitate the exchange of knowledge and promote discussions in the TG ML, acting as a scientific expert community similar to those already existing for floating macro litter and seafloor litter.

Action: Select methods for MSFD impact criteria D10C3 and D10C4 in the guidance process, set up a scientific community for consultation, related to TG ML.

The approach to the collection of marine litter ingestion data in TG ML was discussed. Matteo Vinci (EMODnet) indicated that currently EMODnet does not collect this type of data. Jakob Strand (DK) informed that the next ICES workshop this autumn will discuss plastic ingestion data. JRC informed about the in-house exploratory research project Plasticweb (contact: Natalia Serpetti, JRC), aiming at modelling the pathways of litter, also

in relation to ingestion. As this activity requires the availability of data on Micro, Meso and Macro litter, and would enable also a data overview (see TG ML Microlitter data availability table on Wiki) for the benefit of TG ML, it is suggested to use this opportunity to collect all existing data on litter ingestion by biota.

Such data from MS, projects and other sources should please be submitted to JRC via email as annexes or links to Natalia.Serpetti@ec.europa.eu + Luis.Ruiz@ec.europa.eu.

Action: TG ML is kindly asked to provide data on marine litter ingestion by biota across all litter size ranges to JRC.

GH informed the group on an initiative to identify existing data, networks and data pathways for litter ingested by marine mammals. An upcoming meeting will discuss already available information and activity needs. TG ML was invited to express interest to be involved in this further work. So far ASCOBANS, ACCOBAMS, MSFD D1 Mammals, Seas-at-Risk, and UBA would be consulted.

MONITORING METHODOLOGIES FOR MARINE LITTER - SEAFLOOR
Implementation, guidance and development
- Seafloor Macro Litter (Methods, Shallow Seafloor Web data collection interface, Workshop timing, etc.)

TG ML was informed on the current status of this chapter, prepared by a group under the lead of Francois Galgani. A final draft is available on the TG ML wiki.

Action: It is proposed to check the current version of the document with the core-authors and consider these comments for the final version.

GH informed on the collection of shallow seafloor litter data from divers, following a pilot test in 2019, and the adaptation of the JRC Floating Litter web interface application also for the manual ingestion of shallow seafloor data. Some members informed the group about their activities with groups of divers and the need to develop standardised methods. GH confirmed JRC's intention on the organisation of a TG ML/scientific community workshop (follow-up from 2018 workshop) dedicated to seafloor data derived from imaging approaches. The workshop is likely to be organised in early 2023.

Action: Evaluate the potential development and standardisation of methods for monitoring macrolitter on the shallow seafloor. To consider the addition of the method to the guidance chapter.

Action: JRC to propose potential dates for the organisation a workshop on seafloor image-to-data.

TG ML Members actively working on seafloor macro litter monitoring include Willem van Loon (NL) and Jesus Gago (ES).

9   **MONITORING METHODOLOGIES FOR MARINE LITTER - MICROLITTER**
Implementation, guidance and development
- Microlitter (Methods, TG ML workshop summary, RSCs activities, TG ML Position Paper, data formats, metadata, mesolitter, etc.)

LR reported on the current status of the TG ML Microlitter position paper, which will provide the current state of marine microlitter topics and describe residual open issues related to the monitoring and assessment of marine microlitter. The position paper drafting had been started some years ago, but had been on hold for a while due to the multiple parallel initiatives on marine microlitter.

A dedicated TG ML workshop on Marine Microlitter was held in Ranco (Italy) at the end of November 2021, the summary is available on the TG ML wiki. The Guidance Chapter on Microlitter monitoring is further being developed, LR provided a brief overview on the content. New versions of Position Paper and Guidance Chapter are expected for end of July 2022, then open for comments by TG ML. TG ML Members reminded that July and

August are a holiday period and this should be taken into consideration when scheduling the commenting period.

Matteo Vinci (MV) informed the TG ML group about the data formats and vocabularies used for microlitter data collection by EMODnet were aligned with the workshop outcomes.

Action: JRC will provide new versions of the Position Paper and guidance chapter draft by end of July. The TG ML Microlitter core group will further provide input, also based on harmonisation efforts with and among RSCs. MS and other TG ML Members will provide comments after summer holidays.

Action: It is proposed to hold a dedicated workshop/meeting in September 2022 in order to address the remaining open issues.

Michail Papadoyannakis emphasized the importance of developing monitoring methods for pellets on beaches, from the policy point of view. Camille Lacroix (FR) and Willem van Loon informed the TG ML group about the intention to organise a meeting on the pellets + mesolitter monitoring methods harmonisation approach by the end of August 2022. Stefanie Werner (DE) highlighted and recommended to use the proposals agreed in OSPAR countries in relation to pellets.

Action: Cross-check with DG ENV B expectations and activities on specific microlitter types.

Action: Camille Lacroix and Willem van Loon to organise a meeting on the Mesolitter methodology by the end of August 2022.

10   **MONITORING METHODOLOGIES FOR MARINE LITTER – BEACH/COASTLINE LITTER**
Implementation, guidance and development
- Beach/Coastline Litter (Methodology, Implementation, EEA MLW App, EMODnet data ingestion process, etc.)

Francesca Ronchi reported on the status of the beach litter monitoring guidance chapter and informed about the latest modifications. A final draft version is available on the TG ML wiki. Some litter categories of the Joint List of Litter Categories, potentially occurring also in sizes just below 2.5 cm, are to be considered in macro litter beach surveys. Francesca Ronchi informed on the differences between RSCs and MSFD protocols.
Francesca Ronchi pointed out that the EEA MLW app section is not yet defined, pending the status and usability of the app for beach/coastline litter monitoring. Camille Lacroix requested the possibility to connect the App to the national databases.

Action: EC and EEA should make further efforts for enabling the use of MLW for MSFD monitoring, which is currently blocked at EEA.

Some MS highlighted the difficulty of identifying representative beaches on their coasts to carry out appropriate monitoring.

Action: to establish bilateral discussions on beach selection with the MS concerned.

11   **MONITORING METHODOLOGIES FOR MARINE LITTER – FLOATING MARINE MACRO LITTER**
Implementation, guidance and development

Floating Macro Litter (Methods overview report, JRC FLM App, Drone test, riverine litter, data repository, etc.)

LR reported on the status of the FMML background document and Guidance chapter. The FMML background document is almost finished and the publication is imminent. The final draft of the FMML guidance chapter is available on the TG ML wiki since 13th May, no comments received yet, thus extension of the deadline is proposed.

Action: Deadline for first comments by TG ML on the FMML guidance chapter is mid-July.

Matteo Vinci informed that there is currently no database on FMML in the EMODnet chemistry module. A draft FMML data management structure has been developed and provided to the group. It can be further updated following the method development needs. https://nodc.ogs.it/catalogs/doidetails?3&doi=10.6092/a0e453b0-100b-4a9e-8f27-bbfb2337717c

GH informed that the programming of the JRC Floating Litter Monitoring FLM App (Ex-Rimmel) has started and invited for expressions of interest to test the first version once it is available. Marta Ruiz (HELCOM) asked about the data ownership. GH replied the data will not be public available and that users can manage their data.

Action: volunteer for beta testing of the App: Paul Vriend, Bénédicte Jenot, Tomaso Fortibuoni.

GH informed about a JRC initiative to test the current possibilities for FMML monitoring by a drone (xSun, 4.5 m wingspan fixed wing drone) with camera, acquiring high resolution images of the sea surface.
The experiment will include tests for marine litter and marine biodiversity, targeting marine mammals and turtles. The pilot test will take place begin October 2022 on the Mediterranean coast of southern France.

GH introduced the topic of riverine litter monitoring, as also of high relevance for MSFD. The need to establish contacts between UBA (WFD ECOSTAT co-chair), JRC (WFD), Univ. Cádiz and ENV C.1 for a way forward was highlighted. WFD ECOSTAT recently had distributed a questionnaire on riverine litter in order to plan next steps. It was highlighted that there is need for an EU scale technical workshop to discuss the way forward to harmonised monitoring of riverine litter. GH also informed that the JRC is invited to the advisory board of the Plastic Pirates citizen science project.
It was mentioned that there is a resource problem in addressing riverine litter and coordination is urgently required.
MP emphasised that riverine litter currently is not part of the MSFD mandate to TG ML and that there is need to finalise current work items as priority.

Action: JRC will establish contacts with relevant stakeholders regarding riverine litter monitoring.

12   **FINALISATION OF GUIDANCE DOCUMENT**
Core author group, timing

A draft of chapters is available on the TG ML wiki for all criterion and matrices. General introduction and overarching sections still need to be developed, with the aim is to have a final complete draft version by September 2022.

Action: TG ML chair kindly asked for volunteers to finalise the guidance document with the JRC. The following volunteers agreed to participate: Francesca Ronchi, Tomaso Fortibuoni, Christina Zeri, Jesús Gago and Elena Stoica.

| 13 | **JOINT LIST OF LITTER CATEGORIES**
Implementation, review process
(Categories review, MS implementation, RSCs implementation, Flyer, online catalogue, training, etc.) |

The TG ML chair emphasised that the Joint List of Litter Categories has been jointly developed by MS and RSCs within TG ML. The only way to compare marine litter data is the use of a joint list, which was the reason for developing it, under the lead of David Fleet. MS were asked about the status of their implementation of the Joint List of Litter Categories. Overall the implementation appears to be proceeding. RSCs informed about their activities to align different lists, expressing their positive attitude to adopt the Joint List, though indicating that it may take a while to do so. Some MS reported still difficulties due to the use of different protocols and lists (e.g. SE, FR). It was reminded that conversion lists provide only backward compatibility, thus they do not substitute the implementation of the Joint List!

JRC is preparing a flyer for the Joint List dissemination.

The review of the Joint List of Litter Categories had been launched during the MSFD GES meeting on 29.4.2022. As follow-up, deadline 31.5.2022, there were only minor comments and update recommendations received from Sweden and Denmark. TG ML Members therefore suggested not to change the list now, but to launch a new review in late 2023, when there is more experience with the implementation of the list and more update requests may be available.
It was suggested to define regular intervals for revisions of the Joint List (e.g. 4 – 6 years).
TG ML Members were informed on the need for additional photos for the TG ML Online Litter Category Photo catalogue.

Action: TG ML is kindly invited to provide images for the photo catalogue. JRC should provide the form for copyright declarations.

| 14 | **EU COASTLINE LITTER DATA 2015-2020**
State of work, next steps
(Data, Methodology, Statistics, Examples, Preliminary Outcome, Implications) |

Based on the EU MS Coastline Litter dataset 2015-2020, provided by MS and collected by EMODnet, Wageningen University (Dennis Walvoort), RWS (Willem van Loon) and JRC provided an overview of possible trend calculation strategies and statistical methods. GH reported on the first tests using different calculation methodologies, resulting in different trends. Overall it appears that litter concentrations are reduced between 2015-2020 in many regions/MS. Further analysis is needed for beaches/areas with an increase in concentration. Dennis Walvoort (Wageningen Univ.) explained the approach to the slope calculation and analysis. It was emphasised that this process is just starting and that the presentation was made in order to increase the awareness in TG ML on the relation between input data, the calculation method and the outcome. No need to take any decision now.

GH kindly reminded the TG ML that they should contribute to the technical discussions

and provide inputs and guidance. TG ML Members provided the first comments and recommendations regarding the statistical methods, the selection of aggregated data and input regarding the strategic approach.

During the discussions it was found out that, despite many reminders and pleads for data submission and control of MS datasets, MS data had not been submitted completely. This denotes that the first analyses are not based on a final dataset and can therefore not be used. It is thus suggested that EU MS check their datasets and submit any missing data asap to EMODnet. Countries with missing data in particular are asked to check for completeness: Belgium, Croatia, Cyprus, Latvia, Lithuania, Malta. It appeared that some MS datasets available in OSPAR databases have not yet been submitted to EMODnet. Estonia and Finland will provide additional data. Poland will send their 2019 – 2021 dataset

Matteo Vinci, on behalf of EMODnet, provided a brief summary of the last MS providing data.
It was communicated that MS should please prepare their 2021 datasets for submission.

Action: EMODnet will check the data and provide a table on the TG ML wiki, so that MS can check their datasets and ensure completion of data including up to December 2020.

15	**TOWARDS INTERMEDIATE COASTLINE LITTER TARGETS**

TOWARDS INTERMEDIATE COASTLINE LITTER TARGETS
State of work, next steps
(Options, practical approach, etc.)

GH reminded the mandate from GES to TG ML to develop intermediate targets. It was confirmed that the development of intermediate targets should be closely linked to the trend of litter concentrations to produce intermediate quantitative targets. Such Targets are understood by TG ML as "stepping stones" on the way towards compliance with the coastline litter TV (20 items/100 m).
TG ML concluded to give thus priority to trend calculations, to be continued once the 2015-2020 coastline dataset is complete, and to proceed then afterwards with the targets development.

16   **BASELINES AND THRESHOLDS**
- Floating Litter (Data availability)
- Seafloor Litter (Data availability)

GH informed the TG ML about a JRC overview report on TV setting across all Descriptors under MSFD, which is finalised and has been published. Then the status of the baselines and thresholds development for each environmental compartment was discussed.

Floating litter: As data collection is still being prepared, there are no baselines and TV yet available. A good dataset from EMBLAS (Black Sea) available. TV discussions have not yet started.

Seafloor: Baseline analysis of seafloor trawling litter data has started, based on the seafloor litter dataset provided by EMODnet (including ICES, DATRAS, MEDITS, DeFishGear, ANEMONE, INTELMAR and SIMAR data). Discussions on TV are upcoming and based on the principle of non-deterioration, thus methods must be able to detect changes.

17   **BASELINES AND THRESHOLDS** (CONTINUED)
- Microlitter (Data availability, collection methodology, data analysis)
- Ingestion (Data availability)
- Entanglement (Data availability)

Microlitter: Data on surface floating microlitter have been collected by EMODnet, but apparently the received datasets are fewer than those indicated by MS as being available. The data ingestion process through National Oceanographic Data Centres appeared of variable success in different MS. There is a need to check reasons why some datasets do not reach EMODnet and decide on a cut-off date for an initial dataset.

That dataset must first be analysed in terms of approach comparability, methodologies, etc., then adjusting the dataset before developments of baseline concentrations can start. TV discussions have not yet started.

Ingestion and entanglement: Data are in project or national repositories. The JRC exploratory research Plasticweb is collecting data. TVs have been proposed (e.g. fulmars, turtles, fishes).

| 18 | **MEASURES AGAINST MARINE LITTER** |

Overview and approach, workplan
(MSFD Measures Reporting 2022, JRC compilation of Measures, RSCs activities, measures identification exercise, etc.)

EU MS are currently reporting on their MSFD programmes of measures, so far 6 MS have completed their input.

GH introduced a JRC activity on measures, setting-up a database of measures in order to support TG ML. Eirini Martini (JRC) provided an overview of the approach of this scientific exploratory activity to enable the linking of monitoring and measures. Eirini Martini provided examples of the conceptualisation and categorisation of specific measures. JRC is currently collecting repositories of all measures and TG ML is invited to provide further material. Some TG ML Members have already provided significant inputs.

Related to the discussion on trends and targets, an informal table round among present and remote meeting participants invited MS to inform about the implementation status of the 'Reduction of the Impact of certain Plastic Products on the Environment' Directive (also known as SUP Directive). Frank Jensen (Danish Ministry of the Environment and Food) indicated that the COM, with the help of the MS, has published a guidance for the implementation of the SUP Directive.

Action: TG ML Members are kindly invited to provide further information on measures against Marine Litter, in particular collections and listings of concrete measures, through the TG ML wiki or via mail.

Thursday, June, 30th

| 19 | **ONGOING/UPCOMING RESEARCH PROJECTS** |

Update and new Calls

GH reminded the group of the list of research projects posted on the TG ML wiki and he kindly invited the TG ML to update the list with new projects. During the discussion, some TG ML Members reported on additional projects and will provide this information on the TG ML wiki.

Action: TG ML Members to update the list of research projects on the TG ML wiki.

| 20 | **INTERNATIONAL COLLABORATION ON MARINE LITTER** |

(G7/G20, USA, Ukraine, UN, IMDOS, UNEA5 resolution and global Plastics treaty negotiation)

GH provided an overview of the international aspects of marine litter, beyond the EU neighbouring Regional Sea Conventions. This includes input to Protecting the Arctic Marine Environment PAME (currently suspended due to the war in Ukraine), regarding the implementation of the Arctic Regional Action Plan on Litter.

Enhanced collaboration with the Ukraine, is developed through the EMBLAS project, during the transfer cruise of the Research Vessel Belgica and in direct interactions, e.g. through the participation of Victor Komorin (Director of the Ukrainian Scientific Centre for the Ecology of the Sea) to the TG ML meeting.

Interaction to support the UN Global Marine litter assessment, published in October 2021 is concluded. The negotiations for a global treaty on plastics (UNEA 5 follow-up) are starting and have already become an important driver for discussions. Experience in TG ML will provide opportunities for informing that process, based on the multilateral development of harmonised monitoring and assessments.

Due to the parallel UN Ocean Conference in Lisbon, Portugal, it was not possible to interact directly with the IMDOS (Integrated Marine Debris Observing System) side event at the conference. IMDOS is a scientific initiative, with involvement of GOOS, TG ML, and others, in order to set-up a harmonised litter monitoring system at global level. A brief information and greeting slide was sent from TG ML to that meeting.

| 22 | **TG ML ORGANISATIONAL ISSUES**
Memberships, wiki

GH informed the TG ML group on the nomination of Pilar Zorzo Gallego (CEDEX, Spain) by Spain to co-chair the TG ML and asked TG ML, according to the MSFD CIS rules of procedure, for approval. The members of the TG ML welcomed the nomination and did not raise any objections, thus Pilar Zorzo Gallego will be from September 2022 the co-chair of TG ML and thanked the group for the approval and warm welcome.

Some TG ML Members had reported problems with the EU login process to access the TG ML wiki. TG ML members are therefore invited to inform JRC on technical problems with the TG ML wiki access, in order to provide an overview to the EUlogin team, thus enabling an improvement of the system, if necessary.

Action: TG ML Members are invited to flag needs for additional TG ML wiki pages and discussion threads.

| 23 | **Wrap-up and next steps**
A brief reflection on the role of TG ML as a technical group has been made. It has become evident that technical expertise in the group is not available for all topics. Thus increasingly TG ML needs to collaborate through scientific communities, with research projects and others.

It was highlighted that TG ML has no own resources, apart from the support given by JRC, thus is relying on in-kind contributions from MS, RSCs and others.

TG ML was invited to think about a possible next meeting venue.

Christos Ioakeimidis (UNEP MAP) recommended scheduling future TG ML plenary meetings earlier time in the year, in May or first days of June, to facilitate meeting and travel logistics.

End of TG ML meeting

The TG ML thanked the Croatian Ministry of Economy and Sustainable Development for the kind and generous invitation, Pero Tutman for the perfect organization of the meeting and the Expert Congress Service for the flawless technical support! The TG ML chair thanked all participants and wished the best for summer holidays.

Meeting Participants (frequent speakers have been abbreviated in the text by their initials):

Alexia Cociancich (on-line)	*Frédérique Mongodin*	*Natalia Serpetti (on-line)*
Andrea Torresan	*Georg Hanke GH (on-line)*	*Natalja Buhhalko (on-line)*
Antoine Bruge	*Isabel Moura (on-line)*	*Outi Setälä (on-line)*
Åsa Andersson	*Jakob Strand*	*Pero Tutman*
Bénédicte Jenot	*Johanna Eriksson (on-line)*	*Pilar Zorzo (on-line)*
Camille Lacroix	*Katerina Anastasopoulou (on-line)*	*Pinja Näkki (on-line)*
Christina Zeri	*Karien de Cauwer*	*Salud Deudero*
Christos Ioakeimidis	*Konstantinos Antoniadis*	*Sanna Suikkanen (on-line)*
Coline De Schrijver (on-line)	*Liis Kikas (on-line)*	*Stefanie Werner (on-line)*
Daniel González Fernández (on-line)	*Luis F. Ruiz-Orejón LR*	*Tamara Zalewska*
Dennis Walvoort (on-line)	*Mareike Erfeling (on-line)*	*Thomais Vlachogianni*
Diego Macias (on-line)	*María Plaza (on-line)*	*Tomaso Fortibuoni*
Eirini Martini	*Marta Ruiz (on-line)*	*Ülgen Aytan (on-line)*
Elena Stoica (on-line)	*Matteo Vinci (on-line)*	*Willem van Loon (on-line)*
Elke Fischer	*Michail Papadoyannakis MP*	
Eugenia Molina Jack (on-line)	*Mirta Smodlaka*	
Frank Jensen	*Mustafa Aydin (on-line)*	
Francesca Ronchi		
Francois Galgani (on-line)		