Programme Overview
The 5-day 10th International Drainage Workshop (IDW10) was opened with an opening ceremony on 9 July 2008 at the Environment Institute (SKSI), the venue of the event in Helsinki. The official opening of the workshop, three technical sessions with discussions, and poster presentations were held in Helsinki. Due to the long mid-summer days at these northern latitudes, participants had their first ever technical presentation from 9 to 11 pm including dinner and an excursion to Suomenlinna, an island fortification on an artificial island of Suomenlinna, one of the largest forts in Finland. The events in Helsinki were concluded by a reception hosted by the State Secretary Jouni Rintu, from Ministry of Agriculture and Forestry.

On 9 July, the participants travelled to Tallinn, Estonia by a ferry crossing the Gulf of Finland — a part of the Baltic Sea. A warm welcome to the participants was held at the Embassy of the USA in Tallinn, Estonia by a ferry crossing the Tallinn Courtyard. An extensive technical tour was organized to some of the EU-funded projects, where participants could see drainage and subsurface irrigation in practice and peek into malathion. A dinner and cultural show were held at Tallinn’s open-air museum. As the sun set, the participants returned to Helsinki and a technical tour to MET Agri Food Research on 11 July concluded the workshop.

Technical Summary
The objective of the agricultural drainage have been evolved over the years and vary with the circumstances. The primary objective is to make agricultural production possible and profitable. Agricultural drainage can be seen as a part of integrated land and water resources management, where environmental aspects play an important role. The water quality is an important factor in the public opinion and sustainability of future agricultural practices. Agricultural drainage needs to be well-planned and executed in a sustainable way, mainly due to the nature of agricultural drainage and the methods to mitigate nutrient and phosphorus leaching. The effects of extreme weather conditions on agricultural drainage were also included in the topics. Finally, drainage was placed in the context of the environment, economic and social aspects, with a focus on agricultural drainage and other drainage systems to proceed with key performance indicators for sustainable integrated water resources management, where drainage is a driver of sustainability.

Research Results
Very interesting field-scale data was presented including conflicting results. There is no silver bullet that will solve all our problems in a unique fashion. What is good for nitrogen (N) reduction is not good for phosphorus (P) reduction. Multiple measures were presented. Field research on crops, spacing and depth, flow back envelopes, farm elements, bio diversity is important. Drainage systems are not the only answer. It was suggested that there is a need for the agricultural drainage as a part of agricultural and biological engineers, AIME of the 10th International Drainage Symposium, to be held in Canada in June 2010, to translate the field results into design guidelines.

Key Highlights
Silver pellets: As mentioned before, it is not necessary to have a single solution to a problem, and Prof. Wayne Skaggs gave us a model to remember: there is no silver bullet. However, there are many different solutions, such as water courses, catch basins, and buffer zones. More attention needs to be paid to the movement of water and nutrients such as Nitrates and Phosphorous, if they did not discharge into the hypoxia problem (green algal effect) in the Gulf of Mexico. It was encouraging to see that the extension service in the US is very much alive and that private industry is taking an interest in becoming involved in the implementation of the EU WFD, so that we can compare and possibly apply those results in other basins outside the EU. The IDW10 allowed what was previously expected networking of professionals from across the world.

Acknowledgements
The workshop was very well organized and built the national committees (FINCID and ESTCID) deserve heartfelt congratulations. Special thanks to the session chairpersons, keynote speakers, co-presidents, Prof. Bart Schultz (The Netherlands), Vice Pres. Dr.-Ing. Elios Libamer (Germany), Vice Pres. Prof. B. Adrian (Canada), Prof. Wayne Skaggs (USA), Dr. Negev Sohmen (Egypt), and the vice president (Prof. Dr. Ph. Johnsson) of ICID, and the whole scientific committee for their efforts and cooperation. The organizers wish to thank the keynote speakers, the authors of the papers and posters, the Scientific Committee for their efforts and cooperation. The workshop proceedings are available at: http://www.idw10.com/IDW10_Proceedings.pdf. Further information can be obtained at: Chaimmichid@gmail.com.

Technical Summary
The objective of the agricultural drainage have been evolved over the years and vary with the circumstances. The primary objective is to make agricultural production possible and profitable. Agricultural drainage can be seen as a part of integrated land and water resources management, where environmental aspects play an important role. The water quality is an important factor in the public opinion and sustainability of future agricultural practices. Agricultural drainage needs to be well-planned and executed in a sustainable way, mainly due to the nature of agricultural drainage and the methods to mitigate nutrient and phosphorus leaching. The effects of extreme weather conditions on agricultural drainage were also included in the topics. Finally, drainage was placed in the context of the environment, economic and social aspects, with a focus on agricultural drainage and other drainage systems to proceed with key performance indicators for sustainable integrated water resources management, where drainage is a driver of sustainability.

Research Results
Very interesting field-scale data was presented including conflicting results. There is no silver bullet that will solve all our problems in a unique fashion. What is good for nitrogen (N) reduction is not good for phosphorus (P) reduction. Multiple measures were presented. Field research on crops, spacing and depth, flow back envelopes, farm elements, bio diversity is important. Drainage systems are not the only answer. It was suggested that there is a need for the agricultural drainage as a part of agricultural and biological engineers, AIME of the 10th International Drainage Symposium, to be held in Canada in June 2010, to translate the field results into design guidelines.

Key Highlights
Silver pellets: As mentioned before, it is not necessary to have a single solution to a problem, and Prof. Wayne Skaggs gave us a model to remember: there is no silver bullet. However, there are many different solutions, such as water courses, catch basins, and buffer zones. More attention needs to be paid to the movement of water and nutrients such as Nitrates and Phosphorous, if they did not discharge into the hypoxia problem (green algal effect) in the Gulf of Mexico. It was encouraging to see that the extension service in the US is very much alive and that private industry is taking an interest in becoming involved in the implementation of the EU WFD, so that we can compare and possibly apply those results in other basins outside the EU. The IDW10 allowed what was previously expected networking of professionals from across the world.

Acknowledgements
The workshop was very well organized and built the national committees (FINCID and ESTCID) deserve heartfelt congratulations. Special thanks to the session chairpersons, keynote speakers, co-presidents, Prof. Bart Schultz (The Netherlands), Vice Pres. Dr.-Ing. Elios Libamer (Germany), Vice Pres. Prof. B. Adrian (Canada), Prof. Wayne Skaggs (USA), Dr. Negev Sohmen (Egypt), and the vice president (Prof. Dr. Ph. Johnsson) of ICID, and the whole scientific committee for their efforts and cooperation. The organizers wish to thank the keynote speakers, the authors of the papers and posters, the Scientific Committee for their efforts and cooperation. The workshop proceedings are available at: http://www.idw10.com/IDW10_Proceedings.pdf. Further information can be obtained at: Chaimmichid@gmail.com.