DYALOG

Belfast 2018

Welcome

Gitte Christensen

Welcome to Dyalog'18

	Delegates	Guests	Dyalog	Total
United Kingdom	9	1	13	23
United States	16	3	2	21
Italy	13			13
Ukraine	6			6
Denmark	2		3	5
Sweden	4			4
Germany	2		1	3
Canada	2		1	3
Russia	1	1		2
Finland	2			2
South Africa	1			1
Netherlands	1			1
France			1	1
Belgium	1			1
TOTAL	**60**	**5**	**21**	**86**

Delegates by Country
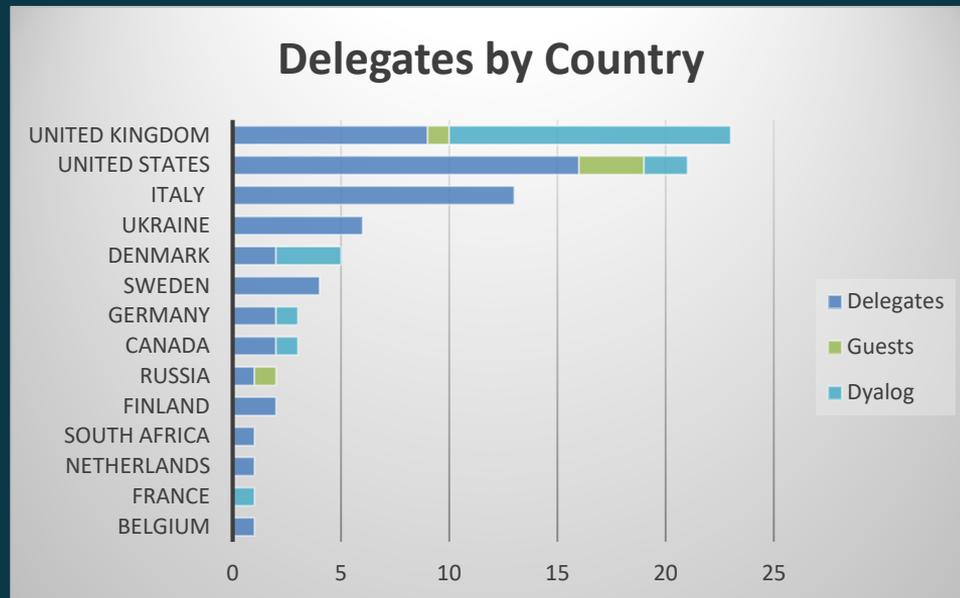
Logistics

- When you arrive morning and after lunch please use Door 1 (ground level)
- For Coffee/Tea breaks use Door 4 (top level right)

Logistics

- There is a corridor between the conference center and the Hotel Hilton which will be open 30 minutes before sessions start, during lunch hour and 30 mins after sessions end.
- When you come out of Door 1, turn left and continue through the double doors, then turn left again at the sign pointing to Hotel Hilton. The corridor ends up in the bar at the Hotel.

Logistics

- The Banquet Dinner is taking place tonight in the Lagan Suite at the Hilton Belfast.
  Pre-prandial drinks are in the Lagan Foyer at 19:30 followed by dinner at 20:00.
  Dinner will be followed by an Irish Ceilidh with traditional folk music and dancing.

Changes to the UM

- You will have noticed that this year we are in the middle of a larger city – and not tucked away in a cosy little conference center.
- This is based on feedback mainly from the younger participants
- Being the organiser I would have liked LO-skolen every year – but I do remember enjoying going to a new city every year for the annual APL-conference

Changes to the UM

- We have made the accommodation optional and the dinners on your own except tonight of course
- Another change by request - to bring the get-together forward
- The half day off excursion will be tomorrow (not Wednesday as usual)
- So we pretty much "killed all our darlings"

Changes to the UM

- So it is important to us that you

- Remember to let us know if you like the changes, and
- Remember to let us know if you don't

Changes at Dyalog

- New faces at Dyalog:

- Will Robertson
  - Intern at Dyalog this summer and continues to do odd jobs while he is studying
- Richard Park
  - Data Scientist at Dyalog

This years winners

Winner of the Student competition:

- Alve Björk, Uppsala University
  - Prize ceremony and presentation on Wednesday afternoon

This years winners

Winner of the professional competition:

- Tiziano Berghi, SimCorp Italiana

Changes we plan

- Cross platform functionality and support has been a main focus of Dyalog for some time now
- They are all built from the same source and tested every night
- They all talk to each other

	Classic 32 bit	Classic 64 bit	Unicode 32 bit	Unicode 64 bit
Windows	√	√	√	√
AIX	√	√	√	√
Linux				√
MacOS				√
ARM (Pi)			√	

Changes we plan

- Cross platform functionality is particularly important for internet based deployment
- But Classic doesn't really belong there

	Classic 32 bit	Classic 64 bit	Unicode 32 bit	Unicode 64 bit
Windows	√	√	√	√
AIX	√	√	√	√
Linux				√
MacOS				√
ARM (Pi)			√	

Changes we plan

- We currently plan one or possibly two relatively short 17.x releases
- We are also planning a major release currently known as version 18 containing
  - New datatypes
  - More dimensions
- Changes which require us to make many changes to the code

Changes we plan

- We have long warned you that new functionality might only be possible in the Unicode versions
- This is becoming more obvious with the internet and browser based applications which are all use Unicode
- Modern text based source code management is Unicode dependant

Changes we plan

- We are contemplating not releasing a Classic v.18
- It will allow us to refactor the interpreter while we have to go through everything anyway
- We will talk to those of you who we know are using Classic
- Please don't hesitate to contact us if you are using Classic and suspect that we might not be aware of that

Changes we plan

- Oh – and one last thing – licensing:
- We are now very close to be able to provide a "cloud native" APL
- So close that we have had to consider licensing
- The requirement is for APL to be available in docker containers which can be used for automated deployment of applications

Changes we plan

- Morten will give you an idea about it now
- He will talk about it some more Wednesday
- And he will give a workshop on it Thursday

- The thing is – for this to work the APL installation cannot stop for licenseID and password

Changes we plan

- We will provide such packages for Linux
- It will not be free software. There will still be license fees for commercial use, but
- It will be very easy to get hold of and to deploy applications

- Welcome to Dyalog'18

- We hope you will enjoy our changes