

1st APECSSA Workshop

5th SANAP Symposium

13-16 August

Hermanus, South Africa

Thanks to Our Sponsors!

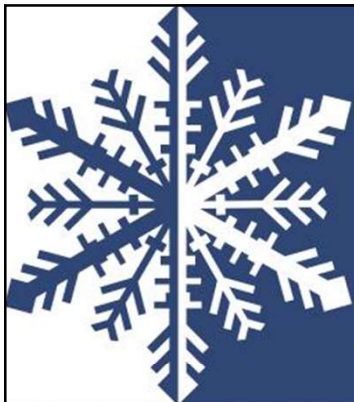


Outline

1. Overview of APECS
2. Overview of APECSSA
3. Rationale for Workshop
4. Activity: How to Network and Attend Conferences Successfully

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1. **Overview of APECS**
2. Overview of APECSSA
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APECS

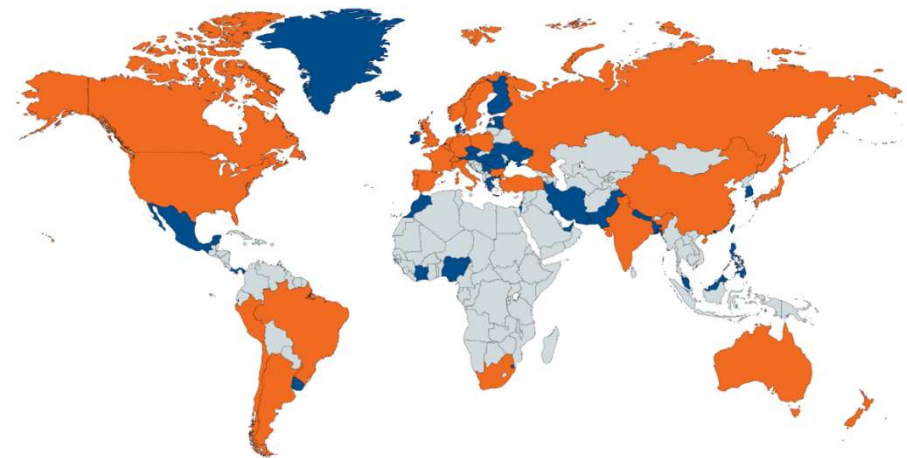
Association of Polar
Early Career Scientists



www.apecs.is

APECS is an **international** and **interdisciplinary organization** for **early career researchers** working in the **Polar** and **Alpine Regions** and the **wider Cryosphere**.

Members: undergraduate and graduate students, postdoctoral researchers, early faculty members, young professionals, educators and others.



Current membership: 2216 from 63 countries

APECS Executive Committee 2017-2018

- Hanne Nielsen (Australia) – President
- Jilda Caccavo (Italy)
- Jean Holloway (Canada)
- Gabriela Roldan (New Zealand)
- Alexander Thornton (United States)
- Alice Bradley (United States) – ex-officio
- Ruth Vingerhagen (Norway) – ex-officio



+ APECS Council with 75 members from 26 countries

+ leaderships of currently 20 recognized APECS National Committees

APECS International Directorate Office

- Gerlis Fugmann (Executive Director)
- Fiona Tummon (APECS Project Officer)
- Heike Midleja (Administrative Assistant)

Main Office in Potsdam, Germany hosted and funded by:
Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research (Feb 2017 – Jan 2022)



Project office in Tromsø, Norway hosted at **UiT The Arctic University of Norway** and funded through **EU Horizon2020** funded project **APPLICATE** and **INTERACT** (Oct 2017 to end of 2019):



Co-funded by the Horizon 2020 programme
of the European Union



www.apecs.is

News; job board; databases for graduate programmes / mentors / funding / webinars, polar events and summer schools; education and outreach resources; and much more!

As an APECS member you also receive our **monthly newsletter** highlighting our newest resources and information for early career researchers!

ASSOCIATION OF POLAR EARLY CAREER SCIENTISTS

Search ...

APECS Home WHO WE ARE GET INVOLVED NEWS EVENTS CAREER RESOURCES MENTORS RESEARCH OUTREACH



Nominations open for APECS International Mentorship Award 2018
Nomination deadline on 15 April 2018. Find out more ...

Become a Member ▶	Get Involved ▶	Webinars ▶
Job Board ▶	Mentors ▶	National Committees ▶

APECS NEWS

APECS Panel at MEASO18 Conference on 8 April
19/03/2018, 11:56

V Symposium APECS-Brazil: Achievements and challenges in a decade of changes in the national and international scenario
19/03/2018, 09:09

UPCOMING EVENTS

Website hosted and supported through



... international opportunities for early career researchers!

- e.g. IASC Fellowships, CAFF IASC Fellowships, ECRs on various SCAR programs and committees, attending meetings from our partners (e.g. CliC, EPB).





APECS works with many partners ...

These are only **examples of our partners**. We are working with many more international and national organisations and institutes:



**... in-person and online skill
and career development
training**

Example: ca. 40 reported in-person
training workshops and panels in 20
countries in 2017!





APECS provides ...

... opportunities for members to **share their research** and to **develop research collaborations**

Examples: Research webinars, APECS Online Conference, Arctic Snapshots, APECS Alpine Cryosphere Group, IPCC Report Review



**... education and outreach
activities**

Examples: Polar Weeks in March and
September, Antarctica Day



... in the EU Arctic Cluster

APECS tasks: coordinate **training activities** (e.g. Summer Schools, Webinar Series, Fieldwork Planning Handbook) as well as some **outreach activities** (e.g. FrostBytes)

[APPLICATE](#) and [INTERACT](#) (through **UiT The Arctic University of Norway**)

ARICE and **Nunataryuk** (through **Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research**)

<http://www.eu-polarnet.eu/eu-arctic-cluster/>



Co-funded by the Horizon 2020 programme of the European Union



... at **international level** by:

- applying to **APECS Council / Executive Committee**
- getting involved in an **APECS Council Project Group** (you don't have to be a Council member for this!)

... at the **national level** by:

- getting involved in one of the **APECS National Committees** (or creating one if there is none in your country)
- Organizing an **APECS Workshop / Panel** at a conference in your country

Website: www.apecs.is

Email: info@apecs.is

Twitter: @Polar_Research

Facebook: <https://www.facebook.com/APECS4u>



Membership is free!

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APECSSA



So...

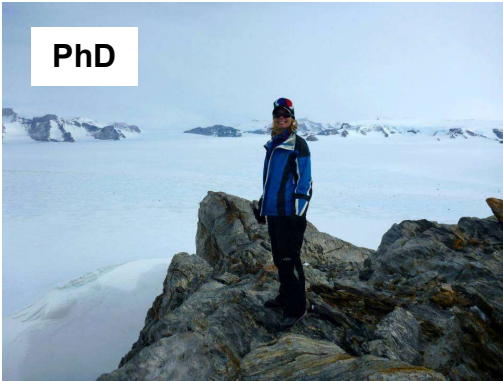
- You must be a student or have just finished studying.
- You must live in South Africa.
- No one really knows about APECSSA.

True or False?

- You must be a student or have just finished studying in South Africa.
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- No one really knows about APECSSA.

Who Are We?

PhD



MSc



PhD



MSc



MSc



MSc

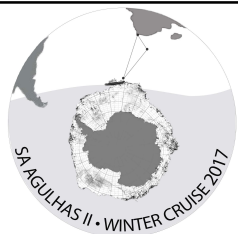


Our Newest NC Member

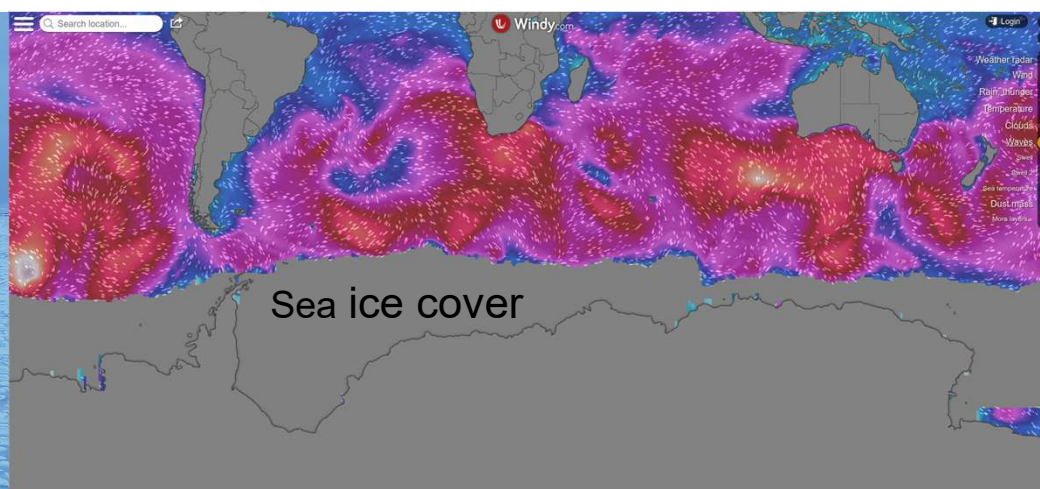
- Clare Earys
- She joined us after Polar2018.
- The next few slides describe her research.



MARINE RESEARCH INSTITUTE



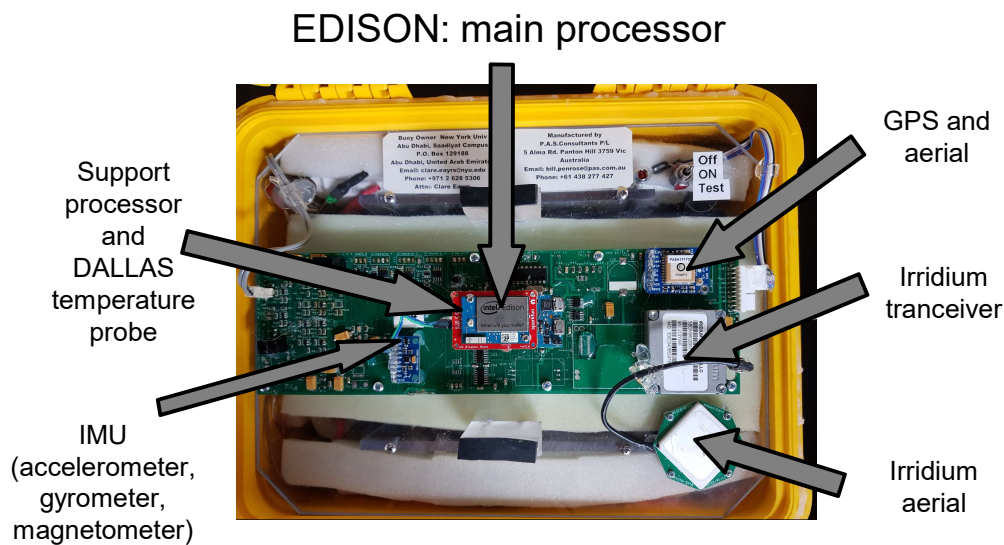
Waves in sea ice



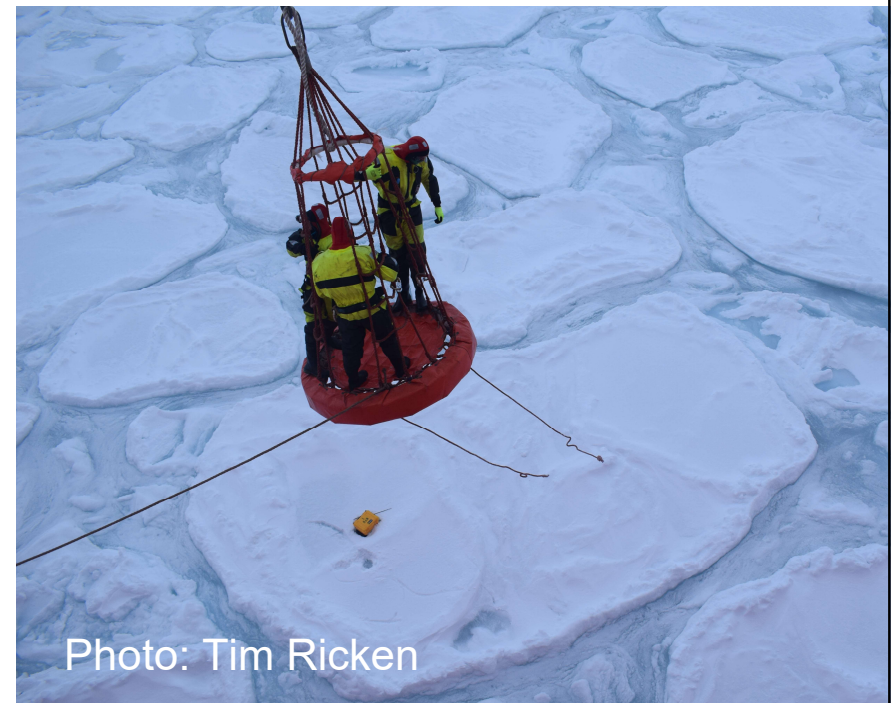
Many global models don't include waves in sea ice due to insufficient understanding of these processes.

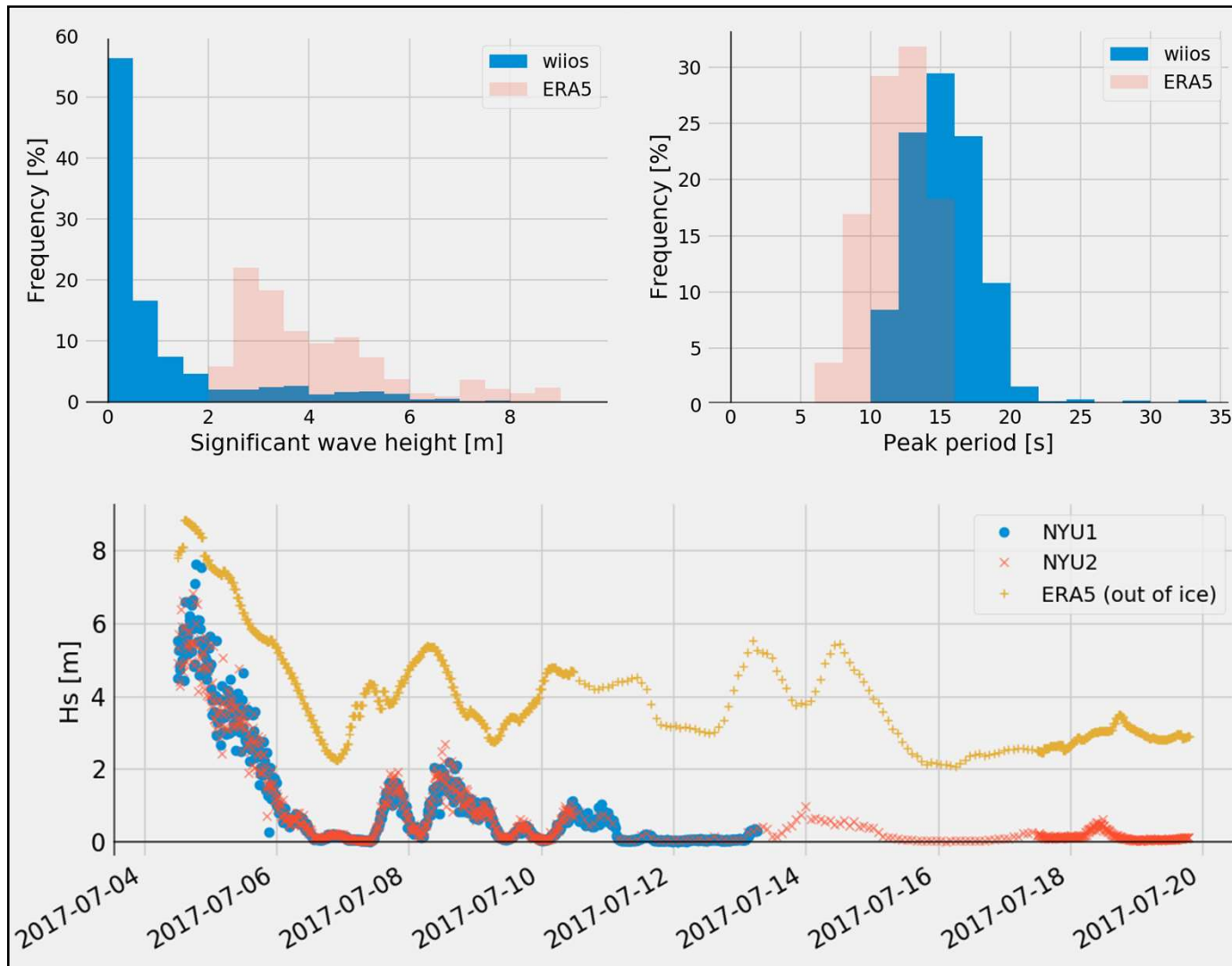
Large waves are known to propagate 100s of km into the marginal ice zone.

Waves-in-ice observing systems (WIIOS)



Waves-In-Ice Observing System (WIIOS)



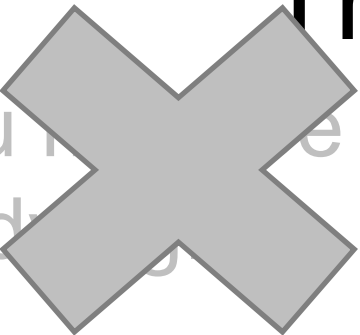
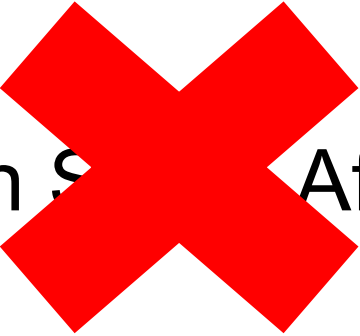


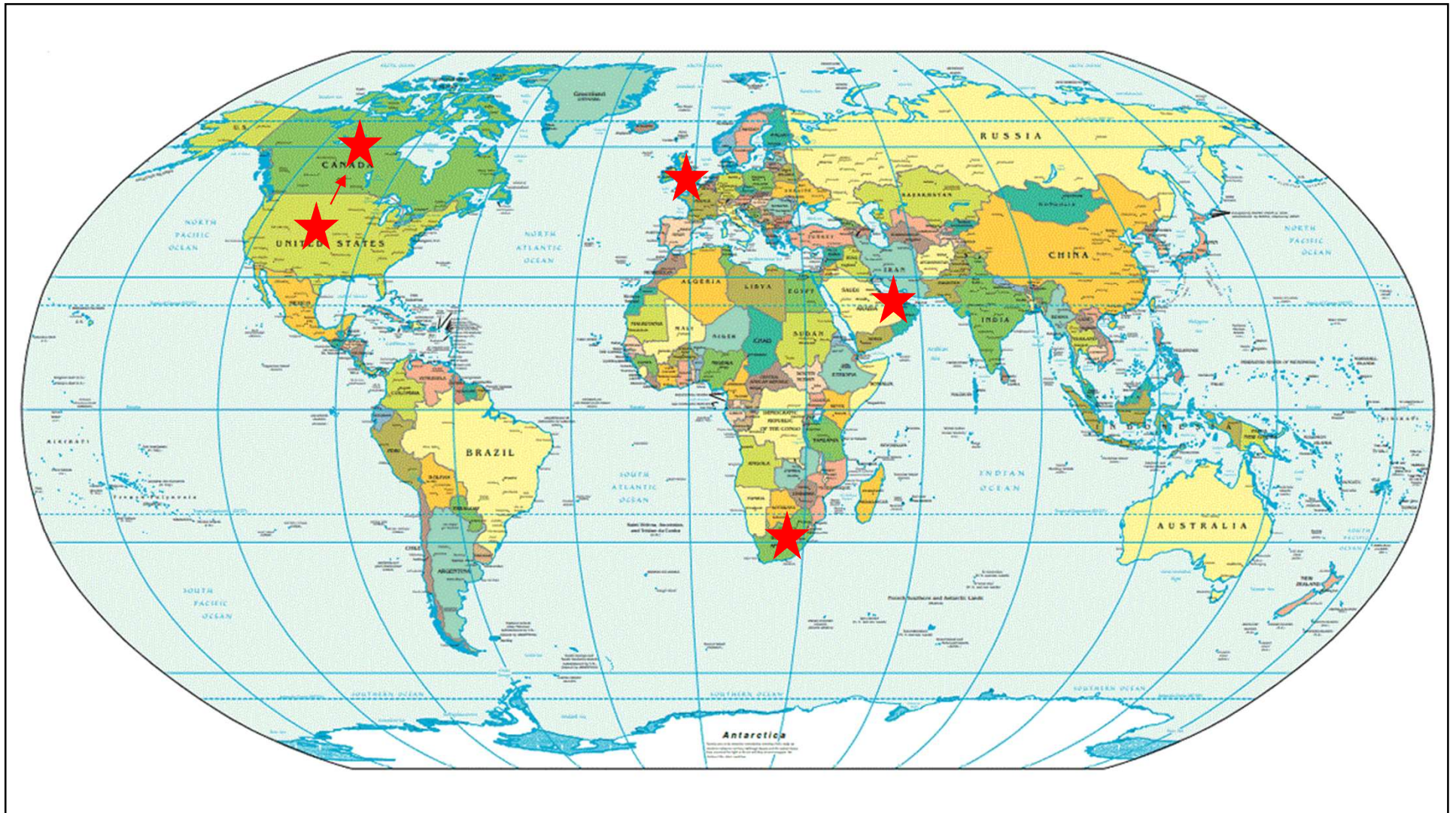
ERA 5 wave reanalysis from ECMWF show the wave condition outside the sea ice.

At deployment the WIOS were approx 100 km inside the ice edge. This increased to over 300 km by the end of the deployment due to sea ice growth.

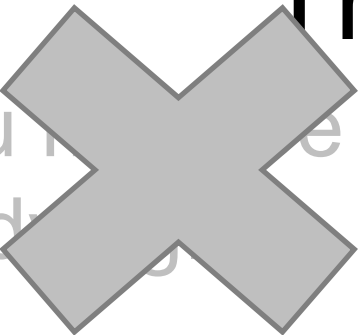
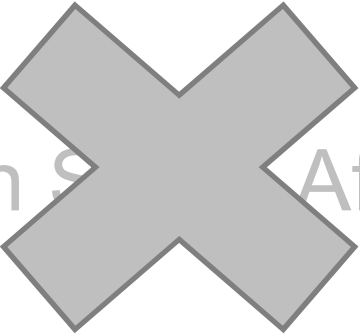
These results provide rare measurements of waves-in-ice during winter storms in the Antarctic Marginal Ice Zone. They are being used for modelling studies and calibration of other wave measurement systems.

True or False?

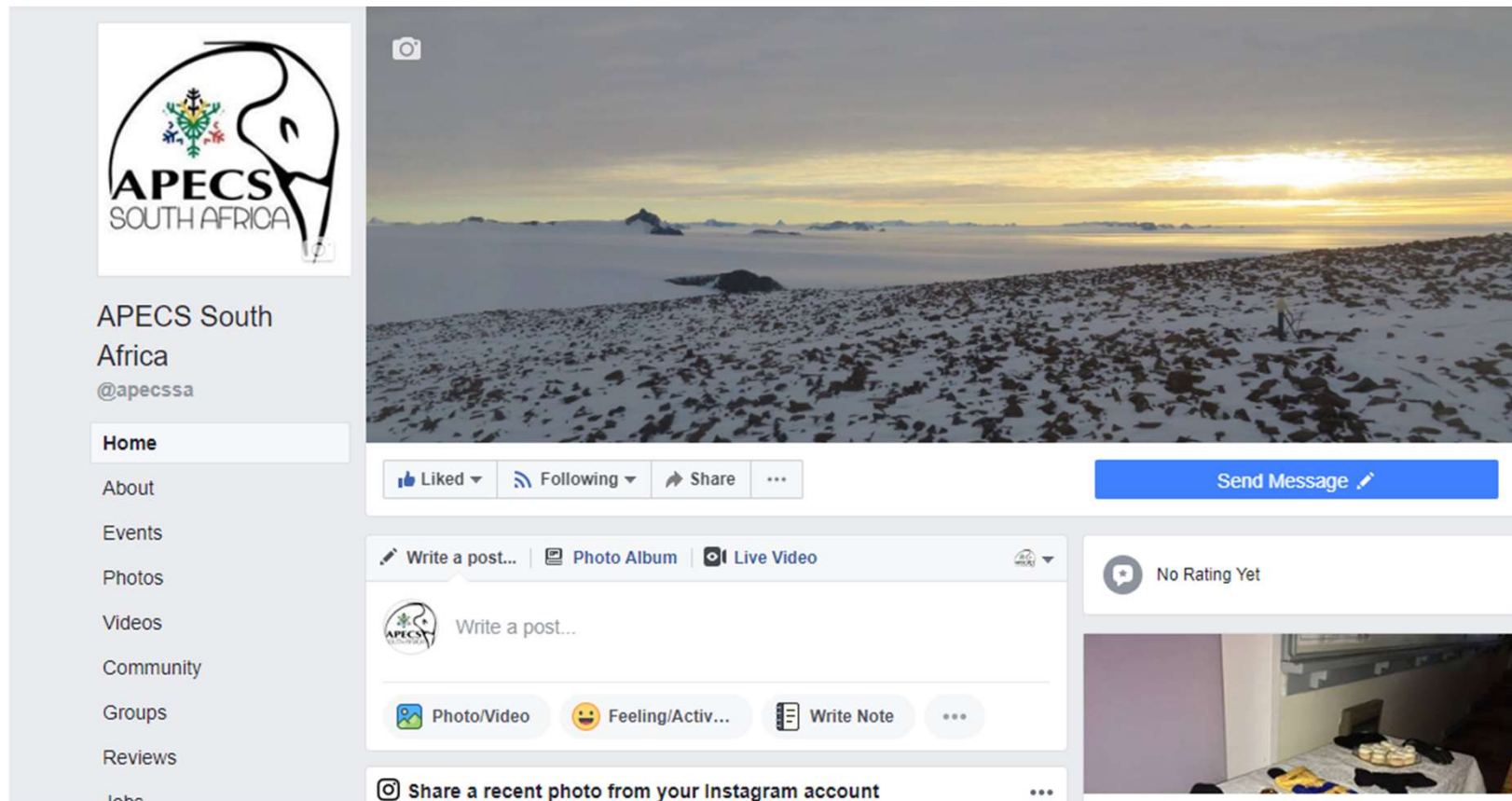
- You must be a student or have just finished studying in South Africa. 
- You must live in South Africa. 
- No one really knows about APECSSA.



True or False?

- You must be a student or have just finished studying 
- You must live in South Africa. 
- No one really knows about APLS in SA. 

Our Digital Presence: Facebook



The image is a screenshot of the APECS South Africa Facebook page. On the left, the profile picture shows the APECS South Africa logo, which features a stylized map of Africa with a colorful emblem in the center. Below the profile picture, the page name "APECS South Africa" and the handle "@apecssa" are displayed. A navigation menu on the left includes links for Home, About, Events, Photos, Videos, Community, Groups, Reviews, and Jobs. The main content area features a large cover photo of a sunset over a body of water with icebergs. Below the cover photo, there are buttons for "Liked", "Following", "Share", and "Send Message". The post creation area includes a "Write a post..." text box, a "Photo Album" button, a "Live Video" button, and a "Write a post..." text box. Below this, there are buttons for "Photo/Video", "Feeling/Activ...", "Write Note", and a "Share a recent photo from your Instagram account" button. On the right side, there is a "No Rating Yet" button and a small photo of a table with food.

APECS South Africa
@apecssa

Home
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Liked Following Share ...

Send Message

Write a post... Photo Album Live Video

Write a post...

Photo/Video Feeling/Activ... Write Note ...

Share a recent photo from your Instagram account

No Rating Yet

Our Digital Presence: Instagram



Instagram

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Log In

Sign Up



apecssouthafrica3

Follow

27 posts

113 followers

55 following

APECS SA

APECS SOUTH AFRICA – CONNECTING YOUNG AND EMERGING SOUTH AFRICAN
POLAR RESEARCHERS

apecssa.wordpress.com

POSTS

TAGGED



Our Digital Presence: Twitter



APECS South africa
@apecssa
Joined March 2017
51 Photos and videos

Tweets 142 Following 35 Followers 64 Likes 1

Follow

Tweets Tweets & replies Media

 **APECS South africa** @apecssa · Aug 12
SANAP Symposium Program Available [apecssa.wordpress.com/2018/08/12/sanap...](http://apecssa.wordpress.com/2018/08/12/sanap-symposium-program-available/)



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32.2K Tweets

[Westminster](#)
23.8K Tweets

[まんばちゃん](#)
56.2K Tweets

Our Digital Presence: Website

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APECSSA

CONNECTING YOUNG AND EMERGING SOUTH AFRICAN POLAR RESEARCHERS

[search](#)

OK. So What?

Connecting South African students & ECRs in
polar research.



Connecting those with researchers/scientists.



Locally & internationally.

Polar Week 2017

Date	Time	Venue	What's Hot
Tuesday 19 Sept	12:10 - 13:00	Geography Building Room 2.3	South Africans in POLAR EARTH SCIENCE
Wednesday 20 Sept	12:10 - 13:00	Geography Building Room 2.3	Life at SANAE: SA's ANTARCTIC RESEARCH STATION
Wednesday 20 Sept	18:30	Naval Hill Planetarium	Ethan Steinman's GLACIAL BALANCE
Thursday 21 Sept	12:10 - 13:00	Geography Building Room 2.3	Life on a Sub-Antarctic MARION ISLAND
Friday 22 Sept	12:10 - 13:00	Geography Building Room 2.3	ANTARCTICA TO MUSIC Short Films and Videography from various Expeditions



APECS SA



- Introducing the NC
- Get Involved
- What is SANAP
- NRF Current Research
- Events Calendar

The Association of Polar Early Career Scientists (APECS) is a non-profit, voluntary association that focusses on improving communication between young and established polar researchers, globally. We are the South African committee — APECS SA.

We aim to have a *connected, informed, and growing* community of South African young polar researchers and we hope to facilitate an *active, competitive and sustainable* presence of young researchers amongst the *international* polar research body.

- * To facilitate improved communication
- * To provide opportunity for skill development
- * To increase exposure on science practice
- * To create opportunities for inter-disciplinary networking

"Man cannot discover new oceans unless he has the courage to lose sight of the shore."

André Gide

- [APECSSA Workshop @ SANAP/NRF PI Symposium](#)
- [2nd Newsletter](#)
- **Polar Week** September 2018 → **17 - 23 Sept 2018** (incl **Polar Film Fest 2018** organised by USAPECS)
 - [Polar Week @ UP – series of lunch time lectures...](#)
- APECS Workshop at UArctic Congress 2018 → 3 Sept 2018 (Oulu, Finland)
- APECS Spain Workshop → 4 Sept 2018 (Madrid, Spain)
- APECS Turkey Workshop on Education & Outreach → 3 / 4 Oct 2018 (Istanbul, Turkey)
- APECS-Nunataryuk PYRN Workshop → 30 Sept - 6 Oct 2018 (Venice, Italy)
- Antarctica Day 2018 → 1 December 2018

NC Tasks

- All about teamwork.
- Everyone does something but can drop off/on depending on work/study demands.
- What we need to do all the time.
 - Try to get more South Africans involved;
 - Represent APECSSA at APECS.

Any Advantages?

Networking

- Contact with established researchers (mentors).
- Contact with each other.
 - You will be each other's collaborators.
- Knowledge/idea exchange.

Skills Learnt & Resources

Member

Webinars
Workshops
Job boards
Mentors

NCs

CV stuff
Large Events
Team Work
Funding

Any Advantages?

- Communication and work skills.
- Interdisciplinary exposure.
- The people you meet today will become your colleagues of tomorrow.
- You become less intimidated by organising things.
- Your self-confidence grows.
- You learn organisational skills:
 - Running meetings;
 - Running projects;
 - People management; and
 - Peer mentoring.
- International recognition.
- You will have a network of peers (and friends) from all around the world.
- Opportunity for new jobs.

Join Us!

ASSOCIATION OF POLAR EARLY CAREER SCIENTISTS

Search ...



APECS

Home

WHO WE ARE

GET INVOLVED

NEWS

EVENTS

CAREER RESOURCES

MENTORS

RESEARCH

OUTREACH

South Africa!!!



Become a Mentor

- Mentors can help polar early career researchers with all sorts of polar career related questions.
- **APECS** has a database of those people willing to serve as **mentors** to young researchers in a variety of ways.



Contact Us!



APECS SA



apecssa@gmail.com



[@apecssouthafrica3](https://www.instagram.com/apecssouthafrica3)



apecssa.wordpress.com



[@apecssa](https://www.twitter.com/apecssa)



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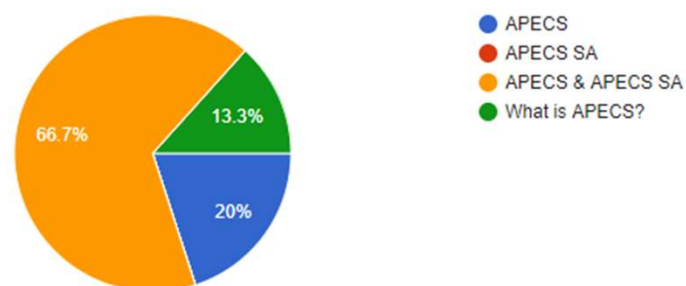
WHY THE WORKSHOP?

- Biennial SANAP/NRF Symposium coming up.
- NRF funds students/PIs to attend.
- Success of APECS World Summit @ Polar2018.

STATISTICS FROM REGISTERED WORKSHOP PARTICIPANTS

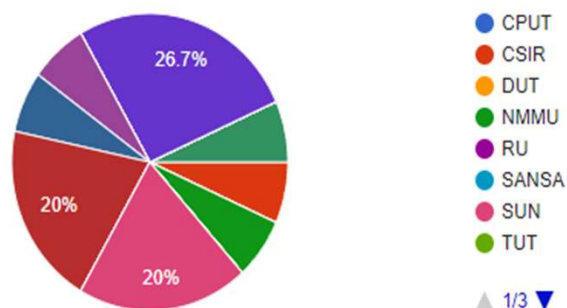
Are you a member of APECS or APECS SA?

15 responses



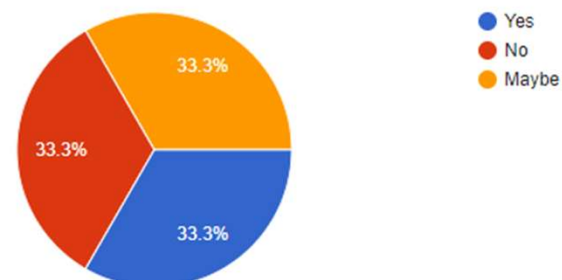
Institution

15 responses



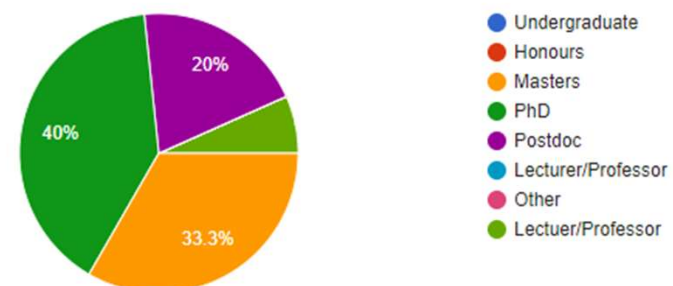
Are you interested in becoming a member of the next APECS SA National Committee?

15 responses

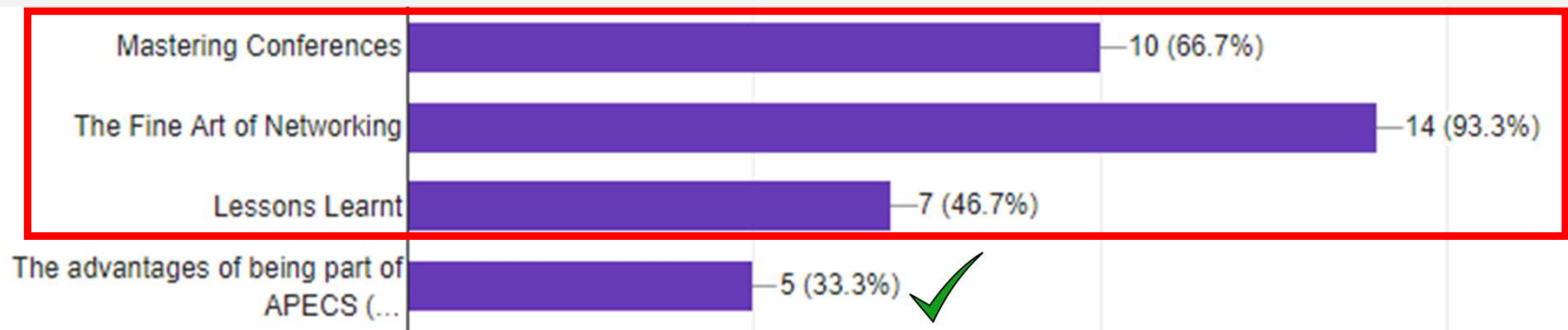


What is your current level of studies?

15 responses



WHY THE WORKSHOP?



BUT..... FIRST

What shall we call the APECSSA newsletter? Make your voice heard and vote below. We want your feedback and your ideas! Your suggestions will be added to the ava

- ☐ The Polar Diaries
- ☐ African Polar Adventures
- ☐ The Icebreaker

[View Results](#)

[Polldaddy.com](#)

[vote](#)



- Who wants to join our NC?
 - Current members willing to stay on for now.
- Christel as representative to APECS Council (the *old* hand).
- Liezel & Marius as '*newbies*.
 - Call for new NC representatives in October.

SCHWEEET! LET'S CHAT 😊

Conferences & Networking from an
established researchers perspective.

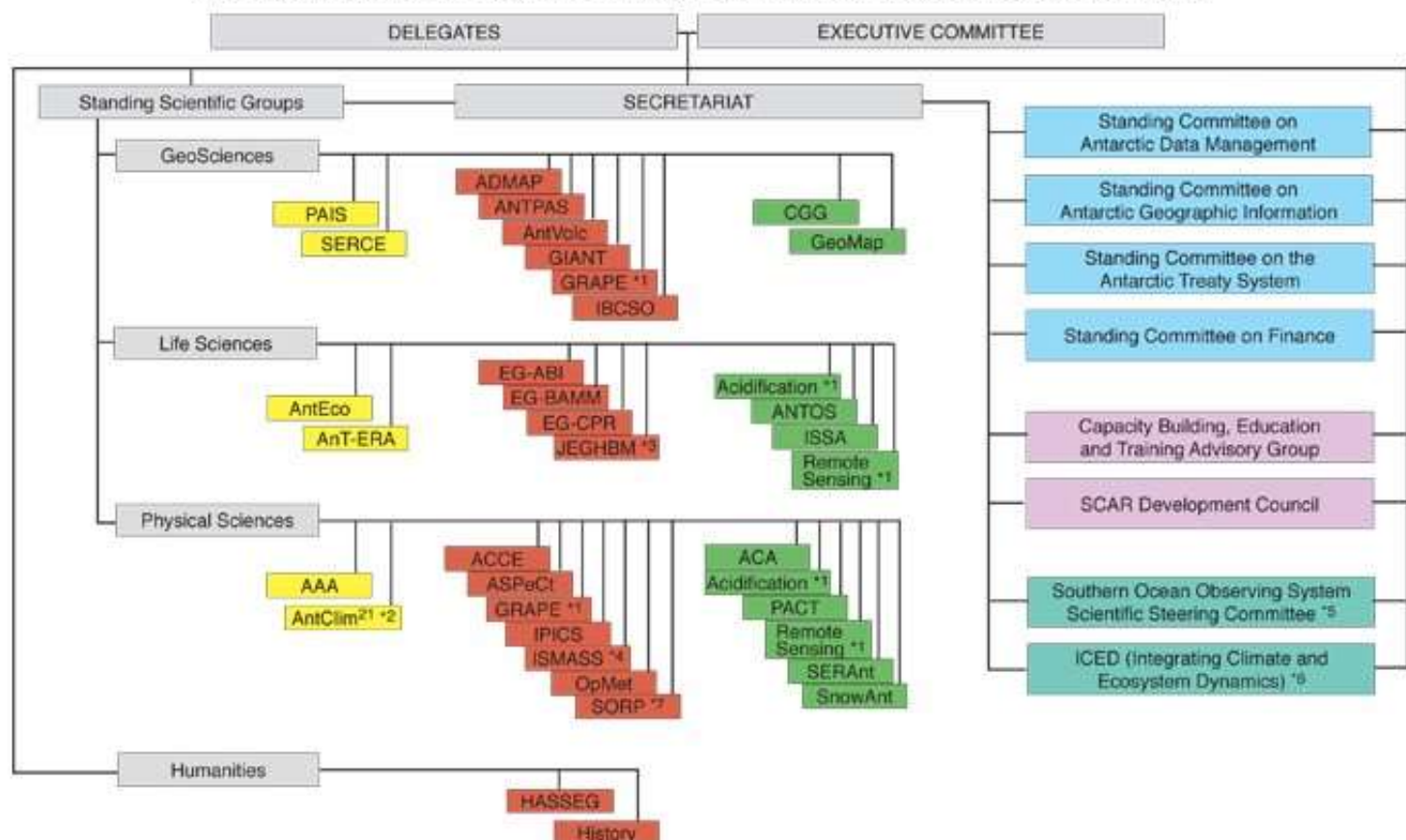
Conferences & Networking from an
emerging researchers perspective.

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Established Researchers Perspective

The Organisation of the Scientific Committee on Antarctic Research (SCAR) (June 2016)



- *1 jointly sponsored by SSGs
- *2 incorporates ITASE
- *3 joint group with COMNAP
- *4 co-sponsored with IASC and CIC
- *5 joint initiative with SCOR & others
- *6 SCOR, IOBP and SCAR
- *7 CLIVAR, CIC and SCAR

 Scientific Research Programme Group

 Expert Group

 Action Group

 Standing Committee

 Advisory Group

 Joint initiative with other organisations

Conferences

BEFORE

- Send your abstract when the call opens.
- Soul-destroying feedback?
 - Cry...rage...whatever makes you cope.
 - Comments improve your work.
- Posters are not 'worse' than orals and *vice versa*.
- Apply for funding!

EVERYWHERE!!!

Conferences

TRAVEL

- If in a team, keep a Dropbox/OneDrive/Google Drive folder.
 - Share it so everyone has a copy.
 - Upload your presentations, travel arrangements, copies of passports *etc.*
- Don't forget about your visas.
- Sharing is caring 😊 (share costs for accommodation, buses, *etc.*).

Conferences

PREP

- Prepare posters & presentations *before* the time and present to each other. Any feedback is good.
 - Don't forget print-outs and printed abstracts for your poster(s).
 - Don't forget to add your funders to your poster/presentation!
- Also, bring business cards.
 - This is more professional and ensures people have your contact details.

Conferences

DURING

- Chill...
- Don't be afraid to approach people.
- Bug your supervisor/professor/*etc.* to introduce you to others.
- Approach it like a lecture:
 - Don't be afraid to ask questions.
 - Take notes!

Conferences

DURING

- Got to as many sessions as possible.
 - Even outside of your field.
- But also don't feel guilty to skip one or two. Don't get conference fatigue.
- What to wear?
 - Comfortable but suitable, not every conference requires you to wear a suit.

Some Last Tips

- Make the most of it.
 - People support students.
 - Most everyone will assist an emerging researcher so approach people, ask questions, discuss postdocs *etc.*
- Explore your host city/country as well.
 - Conferences are about engaging with other researchers but should also be fun so don't forget to get to know your hosts as well.
- Enjoy yourself.
 - But don't forget why you are attending the conference.

REMEMBER

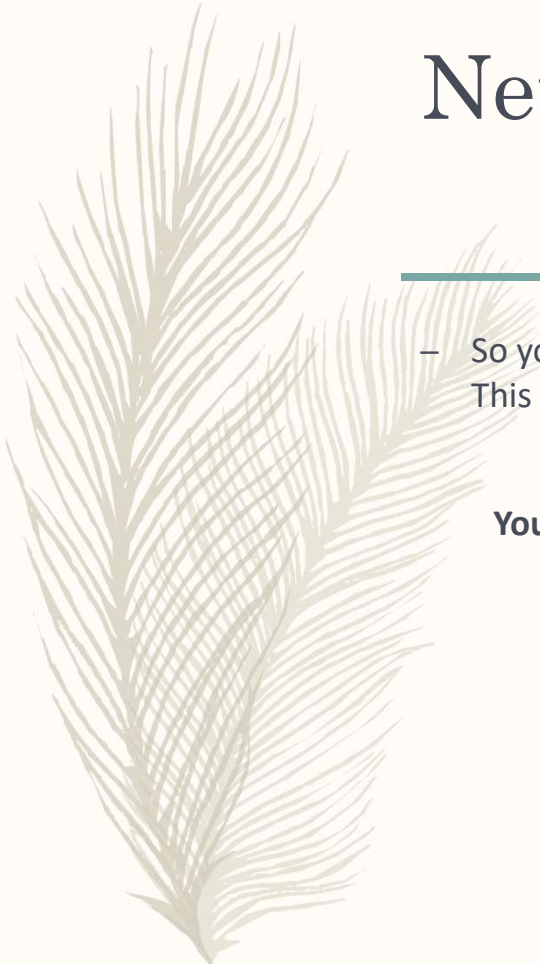
- You are an ambassador for ...
 - Yourself.
 - Your research.
 - Your supervisor.
 - Your program.
 - Your university/institute.
 - Your country!!!
- First impressions count!
- No pressure...





Networking

- Conferences lead to networking.
- E-mail the people you have met (repeatedly if necessary but keep it within bounds) and take every opportunity.
- Don't forget your peers...
 - Attend workshops
 - Join panels
 - Volunteer, *e.g.* Women in Polar Science



Networking

- So you think you are not important?
This is incorrect.

**You can contribute so don't be
intimidated.**

- Afraid to approach someone?

**There is safety in numbers. Approach
others together with a
friend/colleague.**

but

Don't be pushy and overwhelm others.

Networking

- Capitalise on your '*otherness*' – get people interested in *you*.
- Q: South Africa and permafrost studies? Surely not?
- A: Uhm... Antarctica? Marion? **Drakensberg?** ↓





Networking

- Be interested in other people (not just their work).
- Start with work and move closer towards the inner psyche of the human you are talking with (not in a weird way).
- Ask about their home country, culture (especially fun if you compare languages/food/customs). All people appreciate you taking an interest in them as much as you appreciate it.

Remember – its not what you know but WHO you know that makes the difference.



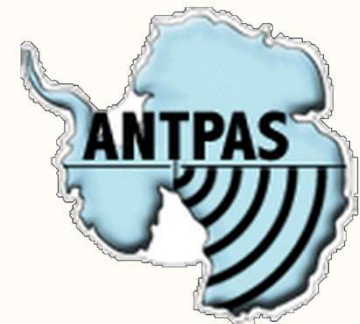
Networking

- Networking is after all about people – not just work. You collaborate with people, not with projects – so take a keen interest in them.
- We have made ‘friends’ through short encounters because we took an interest in them. These relationships are invaluable! I have hosted these ‘connections’ before and would feel comfortable asking them a favour when I ever visit their home country.

Networking



- Join associations/groups/networks.
- Be active on these networks, and represent to your friends and family at home.



Networking

- Start your own ☺



APECS SA

