



“SNPMace” Consultation Webinar



THE GLOBAL STANDARD
FOR LIVESTOCK DATA

Wednesday, 24 November 2021

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Welcome and Purpose

Matt Shaffer, Chair of the Interbull Steering Committee



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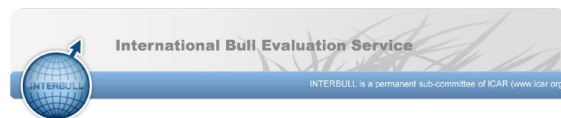
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Welcome

- Purpose of this Webinar
- Technical Perspective
- Business Perspective
- Survey and Timeline
- General Discussion



INTERBULL SNPMACE CONSULTATION

NOVEMBER 2021

In recent months, the Interbull Steering Committee has considered how Interbull charges for new services, with the main focus on the establishment of business model principles for the SNPMace service. This has led to the following principles and headline actions, which we now wish to share with the Interbull Community prior to implementing next steps.

Business Model Principles and Headline Actions for the SNPMace Service Delivery

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Technical Perspective

Simone Savoia, R&D Manager, Interbull Centre



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SNPMace – Expected Benefits

- Improves the accuracy of SNP effect estimates compared to within-country SNP solutions
- No need of sharing/exchanging/pooling genotypes on individual bulls or cows
- Use female information from national reference populations at the international level.

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Interbull SNPMace Pilot Run

1. **Testing methods and processes**
2. **Prepare for the delivery of SNPMace services**
Include in the Pilot Run Breed and Trait combinations of greatest interest to customers

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Business Perspective

Brian Van Doormaal, Chair, Interbull Business Funding Models Task Force



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Interbull Business Model Principles

- a) The Interbull Centre works on a non-profit basis
- b) Service fee to be set at a level of cost recovery:
 - Service Users cover the full direct cost;
 - May be different by Breed x Trait Group combination:
 - Benefits from SNPMace services
 - Population sizes
 - Open vs Closed Groups

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SNPMace Service Options (1)

- **Open Service (similar to current service):**
 - Anyone can participate
 - Results are shared with all other participants
 - Fees invoiced to each participating organization as for other Interbull services

- **Closed Groups (new):**
 - The group defines who is involved in the service run, informs the Interbull Centre and defines the desired Breed x Trait Group combinations
 - Results are only shared within each group
 - Single “full cost” invoice provided to designated “lead” entity with cost sharing determined internally within each group

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SNPMace Service Options (2)

SNPMace delivery:

- Frequency to be decided
- Likely to not coincide with schedule of Routine MACE services

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Survey and Timeline

Toine Roozen, Director, Interbull Centre



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Purpose of the Survey

- Assess the level of understanding of the proposed business model for SNPMace services;
- Assess the level of support for the proposed creation of Closed Group services charged at full cost;
- Quantify the current adoption of genomic evaluations at the national level including 2-Step versus Single-Step;
 - Trait Groups for which MACE services currently exist as well as other Trait (Groups) already implemented by various countries.
- Seek input on those Breed x Trait Group combinations that you feel are best suited for SNPMace to help define:
 - What is included in the pending SNPMace Pilot Run
 - Open and/or Closed Groups

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Survey Question – an Example

If potentially interested in SNPMap services, please tick for SIMMENTAL the trait group you would likely participate in a Open Call or Closed Group

	PROD	UDDER	CONF	LONG	CALV	FERT	WORK
Open Call	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Closed Group	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Either service (open/closed)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No answer	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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Webinar and Survey Participation

Webinar: 80 Registrations

50 Organisations

26 National Genetic Evaluation Centres

23 Countries



Survey: **1 Survey per NGEN**

Total of 33 surveys

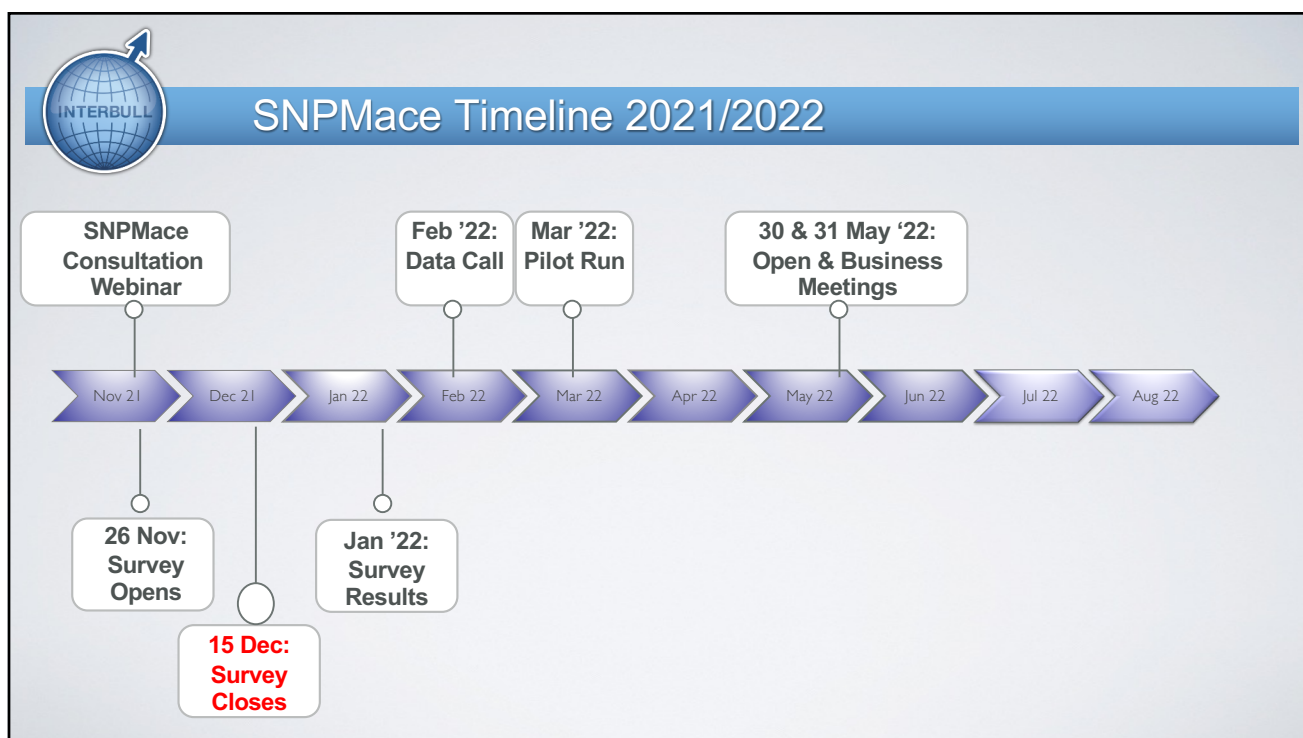
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Survey Invitation List

Matthew Shaffer	Australia	Kristine Adama	Latvia
Nicolas Gengler	Belgium	Dalia Tumeliene	Lithuania
Brian Van Doormaal	Canada	Gerben de Jong	Netherlands, Flanders
Marija Spehar	Croatia	Dorian Garrick	New Zealand
Jiri Splichal	Czech Republic	Janez Jenko	Norway
Gert Pedersen Aamand	Denmark, Finland, Sweden	Sebastian Mucha	Poland
Mart Uba	Estonia	Julio Carvalheira	Portugal
Sophie Mattalia	France	Marija Klopčič	Slovenia
Reiner Emmerling	Germany	Bernice Mostert	South Africa
Reinhard Reents	Germany, Austria	Dang Chang-gwon	South Korea
Pál Gombacsi	Hungary	Juan Pena	Spain
Ross Evans	Ireland	Urs Schnyder	Switzerland
Ephraim Ezra	Israel	Marco Winters	United Kingdom
Jan-Thijs van Kaam	Italy	Joao Durr	United States
Daniele Vicario	Italy	Tom Lawlor	United States
Attilio Rossoni	Italy	Ignacio Aguilar	Uruguay
Junichi Saburi	Japan		

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General Discussion

Brian Van Doormaal, Chair, Interbull Business Funding Models Task Force



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Next Steps and Closing

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Next Steps

- **Today/tomorrow:** Please let Toine know if the invitee for the survey should be changed for your NGE C
- **Friday:** Survey will be sent out (link and pdf)
- Please coordinate your response and submit your answers by **15 December 2021**