

## WUORIKAUTISET 1/2024 ISW HELSINKI

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## Editorial

Hey everyone! My name is Janina and I am glad that you are now reading the year's first issue of Wuorikautiset, the guild's own magazine, and the very first issue I have been editing as a chief editor! I hope you will enjoy <3

This issue will focus on ISW Helsinki 2024, our destinations, little bit of our (brilliant) traveling companions and it contains also some activities to enjoy when all others around have fallen asleep and your own eyes just wont shut.

Some previous magazines had tips and tricks for upcoming ordeal, but unfortunately I don't have any. This is my first time on ISW and I am waiting for it with both fear and excitement.

But now let's have a wonderful ISW and enjoy the trip!

Yours unfaithfully, Janina Mellanen

Chief Editor of 2024



## BOARD OF 2024

Here I have pleasure to present to you the Vuorimieskilta's board of 2024! If any of these faces piqued your interest to get to know them better, it's your lucky day! They are all the with us on ISW Helsinki so this is your opportunity!

I made them (and myself) to answer these random questions to get to know them better. Alright let's see then...

#### Chair of the Board Mariel Mylly

The chair of this circus, look at the page 8 for more.



You must play one song through whole ISW, what is it? Dupidupidu (that chipi chipi chapa chapa song) What is your favorite noodle flavor? Chicken! If you would do videos on YouTube, what would they be? I could collect my favourite TikToks to some daily dose of internet -type of videos :D What was (or still is) your favorite kid's show? The Moomins, the old ones Cats or dogs? Both, but I would adopt a cat. What color of crayon you would be? Baby blue What would you sing in karaoke? Hopefully nothing :D But if so, it would be some Finnish hit, can't pick just one.

#### Secretary, Mimi Tran

Hi! My name is Mimi and currently The Secretary of the sitting board '24. I'm a 4th year student in Aalto University. I major in Fiber and Polymer Engineering, in other words I study woods and plastics. You must be wondering how did I ended up being with the mining engineers? Well, it's just hella fun with these folks!



You must play one song through whole ISW, what is it? Lil Kleine, Ronnie Flex -Drank & Drugs What is your favorite noodle flavor? Spicy chicken. If you would do videos on YouTube, what would they be? Absolutely vlogs! What was (or still is) your favorite kid's show? The Busy World of Richard Scarry or The Adventures of Blinky Bill Cats or dogs? DOGS What color of crayon you would be? Purple What would you sing in karaoke? Cheek - Kuka muu muka

### You must play one song through whole ISW, what is it?

I don't have anything specific in mind.

What is your favorite noodle flavor?

Mama Shrimp Flavour!!! You will see me eating that during ISW Helsinki for sure.

If you would do videos on YouTube, what would they be? Lifestyle/Makeup Reviews/Mukbangs/Funny cat videos What was (or still is) your

favorite kid's show? Dragon Ball Z Cats or dogs? The only right answer: CATS. Period. What color of crayon you

would be? Blue What would you sing in karaoke? PapiPike - AITO G

#### Treasurer, Saara Ollila

I'm Saara, treasurer of the guild. I'm studying chemical engineering for the third year. I like chips.



#### Host, Otso Kivivuori

Hiya! I'm the host of the guild for the year 2024. During the ISW you can usually find me handing out drinks or cooking for our international guests. Why I've ended up here, given that I study biomaterials, I'm not sure but I know I'm going to have a great time regardless.



You must play one song through whole ISW, what is it?

Sea Shanty 2 What is your favorite noodle flavor? Chicken If you would do videos on YouTube, what would they be?

Project/build videos What was (or still is) your favorite kid's show?

Avatar: The Last Airbender

Cats or dogs?

I reject the premise of this question (Bees!)

What color of crayon you would be?

Deep purple What would you sing in karaoke?

Any Queen song that is thrown my way

You must play one song through whole ISW, what is it?

Sea Shanty 2 What is your favorite noodle flavor?

Chicken

If you would do videos on YouTube, what would they be?

Videos of me drawing What was (or still is) your favorite kid's show? The Moomins Cats or dogs? Cats What color of crayon you would be? Red What would you sing in karaoke? Wappubiisi

#### Hostess, Ossi Ruokokoski

Hello, I am Ossi. I'm the hostess of the guild this year. I'm currently studying my second year in Aalto, majoring material science and chemistry. Looking forward to this eventful week :D



#### Head of International and Masters' Affairs, Suvi Impola

Hello! My name is Suvi and I'm the head of international and masters affairs (international officer in short). I'm 3 year bachelor student in the chemistry and material science major but hopefully finishing it this spring.

You must play one song through whole ISW, what is it? Ihana aamu What is your favorite noodle flavor? Spicy If you would do videos on YouTube, what would they be? Cook with Suvi What was (or still is) your favorite kid's show? Moomins!! Cats or dogs? Bunny What color of crayon you would be? Light green What would you sing in karaoke? Tinakenkätyttö



#### Head of Study Affairs, Valtteri Vaarno

Hello, I'm Valtteri, the head of study affairs. I started my studies a while ago and ended up this year in SMP. I enjoy cooking, singing, long walks in the park, and occasional sophisticated sipping of white wine in the woods.



You must play one song through whole ISW, what is it?

Heilutaan What is your favorite noodle flavor? Pork If you would do videos on YouTube, what would they be? Funny animal video compilations What was (or still is) your favorite kid's show? Biker Mice from Mars Cats or dogs? Cats AND dogs What color of crayon you would be? Beer What would you sing in karaoke? Country roads

You must play one song through whole ISW, what is it? Santana, Chad Kroeger - Into The Night What is your favorite noodle flavor? Shrimp If you would do videos on YouTube, what would they he? Most likely travel or photography What was (or still is) your favorite kid's show? Biker Mice from Mars Cats or dogs? Dogs What color of crayon you would be? Blue

What would you sing in karaoke? Country roads Head of Excursions, Claus Enckell

I am the Head of Excursions and I am a third year Bachelor's student majoring in chemistry and materials science. I like to try out and experience new things, so if you have a recommendation, I'm happy to hear!



#### Chief Editor, Janina Mellanen

Hey there! I'm Janina, fourth year chemical engineering student and I am majoring in biotechnology (I don't quite know what I'm doing here). I am this year's Chief Editor and excited to see what we manage to get done with the board! And excited about ISW Helsinki also!



#### Head of Corporate Relations, Leo Müller

Hi I'm Leo and I'm the head of corporate relations. I'm currently in my first year of masters studies in Advanced Energy Solutions.

## You must play one song through whole ISW, what is it?

Friesenjung - Ski Aggu What is your favorite noodle flavor? Chicken If you would do videos on YouTube, what would they be? Cooking videos What was (or still is) your favorite kid's show? SpongeBob SquarePants Cats or dogs? Cats What color of crayon you would be? Blue What would you sing in karaoke? Ivalo - Otos



You must play one song through whole ISW, what is it?

Marilii - Nautin elämästä What is your favorite noodle flavor? Creamy Tom Yum If you would do videos on YouTube, what would they

be?

ASMR Mukbangs

What was (or still is) your favorite kid's show? Winx Club Cats or dogs? Cats! What color of crayon you would be? I took a test and it said that I am Robinson's egg blue What would you sing in karaoke? Frederik - Volga



# CHAIR'S THOUGHTS

#### Hello everyone and welcome to ISW Helsinki 2024!

It is amazing to start this trip again with all the new friends! My name is Mariel Mylly and I'm the chair of the board for this year. I am a fourth year student, majoring in Biosystems and Biomaterials engineering. This is my second ISW Helsinki and I'm really excited to do it all again!

From my previous ISW experience, I could give you a few tips and tricks:

1. Sleep whenever you can. However, preferably not during the company presentation (kalvosulkeiset in Finnish).

If you want to make sure you will get enough Jallu, sit right behind the board in the bus. However, if you want to make it more fun with gambling, sit in the back.
 Do not drink from the wrong bottle before going inside the gates of the visiting company. Unless you want to leave outside waiting in the cold.

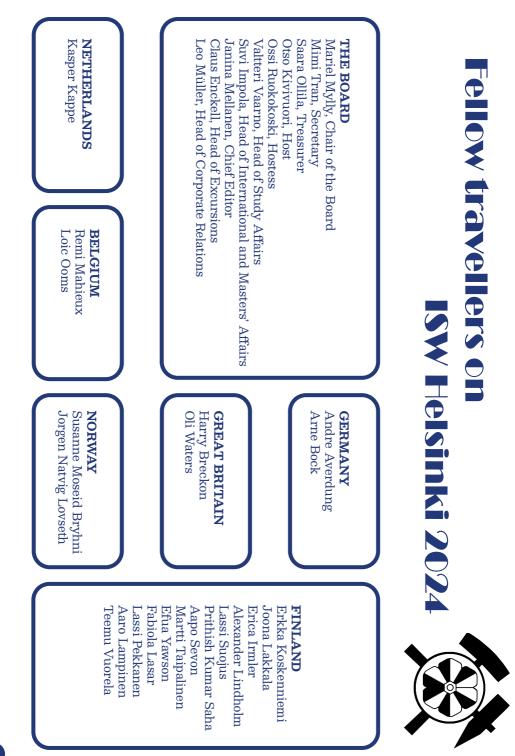
And last but not least:

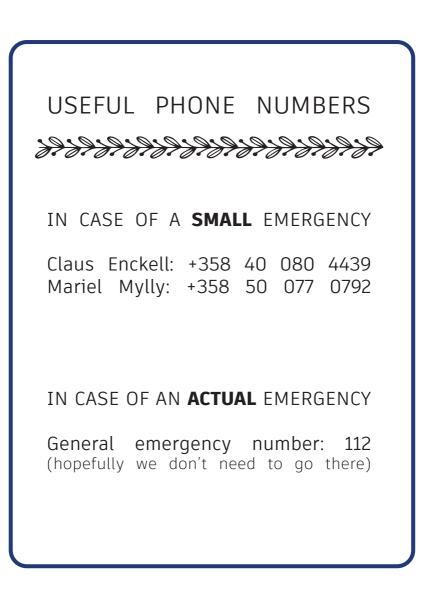
4. Enjoy!

We will have a reeeeeally long week to get to known each others and enjoy this trip. I hope this will give you all some good memories, interesting experiences and stories to tell at home. I want to thank all the companies, Metso, Kokkola Industrial Park, Boliden, Forcit and Sandvik for letting us visit and to make this week possible.

If you have any questions or worries, don't hesitate to ask the board for advice.

Cheers! Kippis! Mariel Mylly Chair of the Board





## SCHEDULE

11.2. Toga Party at Otakaari 20

12.2. Tampere - Metso - Evening entertainment

13.2. Kokkola

- KIP

- Boliden

- Evening entertainment Ο

14.2. Jyväskylä – Forcit – Evening entertainment

15.2. Tampere - Sandvik Espoo - Evening entertainment

16.2. Great Miners Ball at Otarannan kerhotila



## COMPANIES

## we will visit

## Metso

Metso is a frontrunner in sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. We improve our customers' energy and water efficiency, increase their productivity, and reduce environmental risks with our product and process expertise.

#### KOKKOLA INDUSTRIAL PARK

Kokkola Industrial Park (KIP) is Northern Europe's largest ecosystem of inorganic chemical industry, where several companies leading in the chemical and metal processing industries operate. In the Park, there are 16 industrial or manufacturing companies and over 60 service companies, which support the core functions of industrial companies.

# BOLIDEN

Boliden is a high-tech metal company with its own mines and smelters that work over the long term to guarantee society's supply of base metals and precious metals.

Boliden Kokkola is a world-class zinc plant producing high-quality zinc products to meet the needs of renewable energy production, green transition and modern society.



FORCIT consists of three business areas: FORCIT Explosives – the leading partner for civil explosives and related services. FORCIT Consulting – the consulting services partner offering a wide range of expertise, services and training for construction and excavation. FORCIT Defence – a trusted partner for high class insensitive minitions-based defence systems for global markets.

We co-operate closely with the mining industry and companies in the excavation and construction sectors. FORCIT Defence co-operates with defence forces and the defence industry.



Sandvik is a global, high-tech engineering group providing solutions that enhance productivity, profitability and sustainability for the manufacturing, mining and infrastructure industries.

## ENGLISH-FINNISH-NONSENSE -dictionary

| Hello, hi                    | Moi, Morjens, Hei, Terve, Moro            |
|------------------------------|---|
| Вуе                          | Moimoi, Moikka, Moro                      |
| Good morning                 | (Hyvää) Huomenta, Moro                    |
| Good evening                 | (Hyvää) Iltaa, Moro                       |
| Good night                   | Hyvää yötä, Öitä, Moro                    |
| How are you?                 | Mitä kuuluu?, Miten menee?                |
| Thanks                       | Kiitos, Kiitti                            |
| Thanks a lot                 | Kiitti vitust                             |
| I'm sorry                    | Anteeksi, Sori                            |
| I'm terribly sorry           | Oho, Hups                                 |
| Please                       | Jooko                                     |
| Look!                        | Kato!, Kattokaa!, Nääksä?!, Mikä toi on?! |
| I don't understand           | Täh?                                      |
| I appreciate your opinion    | Haista home senkin mulkku                 |
| I'm tired                    | Heittäkää mut avantoon                    |
| I think I'm gonna throw up   | Tuokaa ämpäri!                            |
| It's too hot in here         | Lisää löylyä!                             |
| It's awfully growded in here | Vittuun siitä tönimästä                   |
| Great party!                 | Hyvä meininki!                            |
| Cheers                       | Kippis, Skål                              |
| Excuse me, can I get :       | Anna , Heitä , Pistä :                    |
| - a beer                     | - kalja, olut, bisse                      |
| - a cider                    | - siideri, sidukka                        |
| - a long drink               | - lonkero, lonkku                         |
| - some booze                 | - viinaa                                  |

#### CHEAT SHEET

Practically, only word you really need is: Noniin.

| no = well  |
|--|
| niin = yeah  |
| noniin (noniin) = well, yeah                       |
| noniin (No. Niin.) = That's what I've been saying. |
| noniin (Noonni) = What have you done               |
| noniin (NOnii!) = Well done!                       |
| noniin (noNIIN!) = Let's do it!                    |
| noniin (no, niin) = You're right.                  |
| noniin (no nii-i!) = I know right?!                |
| noniin (no nii) = That's too bad.                  |
| noniin (noniin,) = As I was saying,                |
| noniin (nonii!) = Stop it!                         |
| noniin (noni!) = I did it!                         |
| noniin (noNNI) = Finally                           |
| NONIIN!! = Let's drink!!                           |
|  |

#### Useful (or something like that) Finnish sayings:

#### Kalsarikännit

 Underwear drunkenness (self-ex planatory)

Pilkunnussija

= Comma fucker (a wise-ass) Aivopieru

= Brain fart (can occur for

example during a hangover) Kaikki muumit ei ole laaksossa

All the moomins are not in the valley (stupid)

Kyykkyviini

 Squat wine (cheap wine for which you have to squat to reach in the liquor store)

Sisu

= has no translation, you either have or you don't

Matti kukkarossa/Persaukinen

= Matti in the wallet/Ass open (most
students)

Kuin perseeseen ammuttu karhu

= Like a bear shot in the ass (angry as fuck) Kissanristiäiset

= A cat's christening (a party for nothing) Pikkulauantai

- = Little Saturday (Wednesday)
- Itkupotkuraivari
- = Crying-kicking-rage (self-explanatory) Helppo nakki

= An easy wiener

Paskanmarjat!

= Shit's berries!

Tulta munille

= Fire on the eggs

Perse edellä puuhun

= Ass front up to a tree (doing things without thinking)

Kauas on pitkä matka

= It's a long way to go far

Juosten kustu

= Peed while running (also doing things without thinking)

finnish delicacies

Finland is full of delicacies such as mustamakkara, tasty cocktails and other things you must try when visiting. Here I have gathered few best ones. I chose some traditional foods of cities we are going to visit so there may be chance to get to them.

#### Mustamakkara

(lit. 'black sausage') is a type of Finnish blood sausage traditionally eaten with lingonberry jam. It is available in many stores across Finland, but is considered a specialty of Tampere, Pirkanmaa. Also known as food looking like shit.

#### Mämmi

is a traditional Finnish dessert, eaten around Easter. Mämmi is traditionally made of water, rye flour, ground malted rye, salt, and dried, ground Seville orange zest. In Finland often eaten with heavy cream. Also known as food looking like shit.





#### Kievarin kuupano

(lit. 'inn's moon fuck') doesn't for a change look like shit but has a wonderful name. It is combination of potato mash, peas, and sauteed onion and meat (pork and beef). Apparently traditional food of Kokkola. Never heard of it before writing this article, but always learn something new!





#### Maksalaatikko

(lit.'liver casserole') is a Finnish food that is made of rice, ground liver, butter, syrup, egg, onion, and raisin. (I personally hate raisins in my maksalaatikko.) It is traditionally served with lingonberry jam. If you watch too long, it will also look like shit.

So in conclusion, Finnish people eat a lot of food looking like shit. But at least usually they don't taste like it!

and drinks

Feel free to have a taste!

#### KAHVIPLÖRÖ

6 cl Coffee (hot or cold)
2 cl Koskenkorva vodka

Mix Koskenkorva gently into coffee without spilling. Taste. If it tastes horrible, put some more Koskenkorva into it. You might have to do this more than once. Enjoy. At its best after waking up in horrible hangover (don't drink before driving to work).

#### **BERRY PUNCH**

gently on top of the mix.

3 bottles of vodka
1 berry (whatever is your favorite)

Pour the vodka into a bowl. Add the berry. If the punch tastes too sweet or is too rich in berries, take the berry out.

| <b>TERVAHAUTA</b><br>2 cl Whiskey<br>2 cl Jaloviina<br>4 cl Tar liqueur | NUCLEAR FALLOUT<br>4 cl Jaloviina<br>4 cl Tequila<br>4 cl Sour milk | <b>NISKALAUKAUS</b><br>2 cl Absinthe<br>2 cl Jägermeister |
|---|---|---|
| Mix whiskey and<br>jaloviina. Pour<br>the tar liqueur                   | Mix everything up<br>and think "what the<br>hell am I doing?"       | Mix, drink and<br>try not to die.                         |



#### 1. JUHLAT, JUBILEUM

Hyvät ystävät, juhla voi alkaa, Kasperille me nostamme jalkaa. ;;: Tääl' ei juodakaan kolmosen kaljaa, täällä viihdyn suo shamppanja vaan. ;;:

#### 2. BUSSIKUSKI

On meillä hauska setä nyt bussikuskina. Kun setä ajaa bussia on näky komia. :,: Kas näin heiluu bussi ja bussi heiluu näin. :,:

Kas näin kaatuu tolppa ... Kas näin lentää mummo ... Kas näin kuolee kissa ... Kas näin kaatuu bussi ... Kas näin särkyy bussi ... Kas tuolla näkyy tutka ... Kas näin vilkkuu valo ... Kas näin ulvoo pilli ... Kas näin vietiin kuski ...

#### 3. NIIN MINÄ NEITONEN

:,: Niin minä, neitonen, sinulle laulan kuin omalle kullalleni. :,:

:,: Jos olis valta niin kuin on mieli, niin ottaisin omakseni. :,:

:,: Kullalleni minä laulelen ja kellekkäs minä muille. :,:

:,: En minä laula kallioille, enkä metsän puille. :,:

#### 4. VETOPASUUNA

Mä nuoren miehen ujoimman näin pöydässä pienen ruokalan, ja syystä, jota tiedä en, sain hältä vetopasuunan.

Torvi, torvi tinakylki aina soittaa juhlissa. Torvea soittaa mies tuo nuori, nuotteja vain tunne ei.

Bumtsi-bum, bumtsi-bum-bum ...

Hän ulkona mua kuljettaa ja ottaa kiinni mistä saa, mut pohjimmiltaan kukaties, on hänkin kelpo VUORIMIES!

Torvi, torvi tinakylki aina soittaa jurrissa. Torvea soittaa mies tuo nuori, nuotteja vain tunne ei.

Bumtsi-bum ...

#### 5. KATSELIN, KATSELIN

Katselin, katselin kaunista miestä, kaunista miestä, tuulantei. Kostuivat, kostuivat kämmenet hiestä, kämmenet hiestä, tuulantei.

Otan sen, otan sen, ennemmin kuin koskiksen, sillä kaunis mies on silmänruokaa, silmänruokaa tuulantei.



#### 8. JOS AVECIS KIELTÄÄ SUA JUOMASTA

Jos avecis kieltää sua juomasta, niin juo, niin juo! Jos kieltää sua viinoja tuomasta, niin tuo, niin tuo! Vaan juomasta älä sinä milloinkaan lakkaa, vaan hanki sinä itselles' parempi paikka ja juo ja laula ja juo ja laula, ja juo ja laula ja juo ja laula ...

Trink, trink, Brüderlein trink, lass doch die Sorgen zu Haus! Trink, trink, Brüderlein trink, leere dein Glas mit mir aus. Meide den Kummer und meide den Schmertz, dann ist das Leben ein Schertz! - Zu lieber Augustin Kauf dir ein Auto und fahr gegen Baum, dann ist das Leben ein Traum!

Ja upseerit sotia taistelee ja juo, ja juo. Ja teltassa viinoja maistelee, ja juo, ja juo. Kun taistelun melskeessä pyssyt ne paukkaa, niin upseerit välillä pullosta naukkaa ja juo ja laulaa ...

Maisterit koulussa opettaa ja juo, ja juo. Ja illalla tuntinsa lopettaa, he juo, ja juo. Kun päivällä saksaa ja matikkaa jauhaa, niin illalla raitilla RÄYHÄÄ JA PAUHAA ja juo ja laulaa ...

#### 6. WE ARE ENGINEERS

We are, we are, we are, we are the engineers. We can, we can, we can demolish forty beers. The medical men of R.S.M. they cannot drink with us, 'cause we don't give a fuck for anyone else who don't give a fuck for us. Oi!

Sir Fracís Drake and all his crew set sail for Galway Bay. To meet the Spanish Rumfleet, that was heading by the way. The engineers they cut them short by a night and half a day. Although they're drunk like hooligans, you still can hear them say:

We are, we are, we are, we are the engineers ...

#### 7. TEEKKARIHYMNI

Yö kuin sielu teekkarin on pimiä. Takajoukko nukkuu vain, nukkuu vain. Tarhapöllön ääni kimiä kuuluu pappilasta päin, kuuluu päin.

Ja taas, ja siis, ja yks, kaks, kolme, neljä, viis.

# ACTIVITY

#### $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$

|   |   | 2 | 8 | 5 |   |   | 9 |   |
|---|---|---|---|---|---|---|---|---|
| 9 |   |   |   | 6 |   | 1 |   | 5 |
|   | 5 | 6 |   |   |   |   | 3 | 8 |
| 2 | 6 |   |   |   | 8 | 3 |   | 9 |
|   |   | 3 | 6 |   |   | 2 | 5 |   |
|   |   | 9 |   | 3 | 5 |   |   | 1 |
| 5 | 3 |   |   | 8 |   |   |   |   |
| 6 | 2 | 1 | 5 |   | 3 |   |   | 7 |
|   |   | 8 | 1 |   |   | 5 |   |   |



|   | 2 |   | 9 |   |   | 6 | 8 |   |
|---|---|---|---|---|---|---|---|---|
| 9 |   | 8 |   |   | 6 | 7 |   | 2 |
| 3 |   |   |   |   | 7 |   | 1 | 5 |
|   | 7 | 2 |   |   | 4 |   |   | 1 |
|   | 8 |   | 2 |   | 5 | 4 |   |   |
|   |   |   |   |   |   |   |   |   |
|   |   | 7 |   |   |   | 2 |   |   |
| 2 |   |   | 7 | 6 | 3 | 5 |   |   |
| 8 |   |   | 5 |   | 2 | 1 |   |   |

#### $\bullet \bullet \bullet \bigcirc$

|   | 7 |   | 6 |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 5 |   | 2 |   |   | 7 |   |   | 4 |
| 6 |   |   |   |   |   |   |   |   |
|   |   |   |   | 9 |   | 4 |   |   |
|   | 8 |   |   |   |   | 9 | 6 | 2 |
|   | 2 | 9 |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |
| 8 | 6 |   |   | 2 |   |   | 3 |   |
| 2 |   |   |   |   |   |   |   | 6 |

#### $\bullet \bullet \bullet \bullet$

| 6 |   | 8 | 5 |   |   |   | 7 | 1 |
|---|---|---|---|---|---|---|---|---|
| 4 | 3 |   |   |   | 6 | 2 |   | 9 |
|   | 1 |   |   |   |   |   |   |   |
|   | 6 | 9 |   |   | 4 |   |   |   |
| 1 |   |   |   |   |   |   | 9 |   |
|   |   |   |   |   |   | 7 | 3 |   |
|   |   | 6 |   |   | 5 |   | 2 |   |
|   |   | 1 | 2 |   | 9 | 5 | 8 |   |
|   | 5 | 2 |   | 7 |   |   |   | 6 |

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# CORNER

G S F R Κ L Υ Κ S S Е Ρ D Т Ο 0 L Т V Υ J Т L Е D Ρ G F Х R U В Е Μ С S Y R Т D Х Ν R W Υ U R Α Υ С Μ D Υ Υ Q S Κ I R D L L С Ο В Ο А F G Е Е R U Ζ Υ Α Н Х Т Т Ο Ν N Ν R В А Т R D Е R Ο Е Х R F Κ Ν Ν Т А S D Е S Α A Е V Т F U R L Т S Ρ В F 0 F Ν Ρ I Κ U R Н Т Е Е A V С А F 0 T Κ 0 R Ν Е S G L Y R Т Ζ 0 Т Α Μ L Ο W А F Ν F Н С В 0 A N Т J L G G W Ο N Κ V Ν V Т L S Ν Н Е G Т Q I Ο A С В Κ R G L L Υ Ο Ν Ν Ο Е Т С R Т С Ν L Ζ T Ζ Е L Μ Т T 0 Κ Ν R U Ν G F G F U Ζ F J V A Ν A I L S L R A F н F Α 0 Т R Е Т S Ν G S Ν M F Ν R С Ν Ν Ο V L D W G Е Е Т Μ Е Е С S T Y В Е Т S S А А Ρ R T Ν А Ο R Ε S S Ζ S S S Т Х M T Ο Ν Х Ο Ο Ν Υ Μ Г W 0 L Y Т Ν E Μ Ν 0 R I ٧ Ν E Ν В U G G S U В G Κ M E Т S G I Е N A Т Ο S С I R N Α L Μ D Ο

| ISW        | environment | zinc          | sustainability  |
|------------|-------------|---------------|-----------------|
| mining     | industrial  | processes     | drill           |
| smelter    | excavation  | bus           | ore             |
| kokkola    | efficiency  | koskenkorva   | miner           |
| tampere    | tools       | safety        | decarbonization |
| jyväskylä  | innovations | production    | technology      |
| otaniemi   | mission     | modernization | engineer        |
| explosives | hungover    | nordics       | aggregate       |
| metals     | beer        | crushing      |                 |



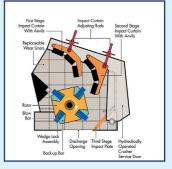
Pisces 20.2.-20.3. Wheel loader

You're always moving around, be it with places, people or life plans. Maybe you should try staying still for a while and really get to know the people around you. ISW is the perfect place to start.



Aries 21.3.-20.4. Grader

You are a very helpful person, making the path for others as smooth as possible. You lay the groundwork in group projects and have probably read the company introductions before site visits. Try to remain a good person, even though ISW is testing you!



Taurus 21.4.-20.5. Impact crusher

You have a quick temper and great comebacks in arguments. You know what you want and will do anything to get it. Try to chill a bit during ISW, you (and others around you) deserve a break.



Virgo 23.8.-22.9. Power shovel

Digging for juicy rumours is your specialty. However, sometimes people don't appreciate you telling their secrets onwards. Maybe next time you see someone being a joker during ISW you can keep it to yourself.



#### Libra 23.9.-23.10. Personnel vehicle

You are kind of a people pleaser and always avoiding conflict. Sometimes its a good thing, but you should try to form your own opinions as well. Try making a decision which is better: apple juice or beer?



Scorpio 24.10.-22.11. Haul truck

You carry a massive amount of shit on your shoulders. Try to talk about your problems to someone, maybe the person next to you. Offer them a beer and they'll be happy to listen.



Gemini 21.5.-21.6. Simulation computer

You love learning new things but feel like you're not ready for the real work life. Don't worry, everyone is a beginner in the beginning. Take advices, ask questions and remember to train (your liver during this ISW).



Cancer 22.6.-22.7. Refuge chamber

You are a safe person to be Travellingtof around with, and people is your dreat often come to you with probably the their issues. Because you are participat are well-equipped, people lovely trip. T might ask you for many too adventure things during ISW too. like to get you Remember your own needs in one piece. and hold on to those beers.



Leo 23.7.-22.8. Shuttle car

Travelling to far away places is your dream, which is probably the reason you are participating in this lovely trip. Try not to get too adventurous, we would like to get you back home in one piece.



Sagittarius 23.11.-22.12. Shotcrete machine

You are often concerned about other people's safety and trying to stabilize heated arguments. Reinforcing good behaviors is your strength. You could be a great manager, maybe you'll find a job during the week?



Capricorn 23.12.-21.1. Bucket-wheel excavator

You are hugely productive and have done a ton of work to get where you are. People are often amazed by you. Be proud of yourself! Now kick back and relax, you've earned it.



Aquarius 22.1.-19.2. Drill rig

You are a powerful person who has an ability to do long work or study hours. You probably also go to the gym. Remember to sleep sometimes! The ISW bus is a great place to practice.

# ISW BINGO

| THANK<br>THE BUS<br>DRIVER   | GO TO<br>SAUNA             | COMPLIMENT<br>SOMEONE                             | TELL A<br>JOKE                                  | FLASH TO<br>SOMEONE<br>(HARDCORE)   |
|--|----------------------------|---|---|---|
| HAVE A SPEECH<br>ON THE BUS<br>MICROPHONE  | DANCE ON<br>THE TABLE      | EAT MUSTA-<br>MAKKARA                             | SPOT A<br>REINDEER<br>(OR SIMILAR,<br>WHATEVER) | TAKE A SELFIE<br>WITH A<br>STRANGER   |
| SPOT SOMEONE<br>ASLEEP AT<br>EXCURSION<br>DESTINATION  | PLAY A<br>DRINKING<br>GAME |   | DO A SNOW<br>ANGEL                              | GET A<br>NEW FRIEND   |
| ASK A<br>STRANGER<br>THAT WHERE IS<br>NEAREST ALKO   | SING<br>KARAOKE            | ASK A<br>QUESTION<br>FROM AN<br>EXCURSION<br>HOST | FALL ASLEEP<br>IN A BUS                         | DRINK<br>A BEER   |
| TRY<br>KOSKENKORVA<br>(FINNISH TRAVELLERS<br>MUST HAVE FORGOTTEN<br>WHAT IT TASTES LIKE SO<br>THEY MUST TRY TOO) | LOSE<br>SOMETHING          | HAVE A<br>HORRIBLE<br>HANGOVER                    | EAT<br>MÄMMI                                    | TAKE A PICTURE<br>OF A SLEEPING<br>BOARD MEMBER<br>(AND SEND IT TO CHIEF<br>EDITOR) |