



ALBERTA CHAMBER
OF RESOURCES

**ACR - Mining Industry Advisory Committee (MIAC)
Research Summit**

Thursday, January 31st, 2019 10:00 to 15:30



**Meeting Notes
Group Discussion
Group Exercise Summary of Results**



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JANUARY 31ST, 2019 (OVER 40 FIRMS AND 77 ATTENDEES)



What Did We Talk About?

- Mining Research Focal Points: Objectives, Members, Funding, Current focus areas, Future
 - Canadian Oil Sands Innovation Alliance (COSIA) Matt McCulloch COSIA Director Innovation & GHG
 - Canada Mining Innovation Council (CMIC) Carl Weatherell Executive Director & CEO
 - Global Mining Group Heather Ednie Managing Director, GMG
 - University of Alberta Robert Hall Mining Engineering Professor
- Mining Research Road Map and Priorities- Surface Mine of the Future Mal Carroll, GM Syncrude R&D
- Innovation and Risk Gary Bunio, GM, Strategic Technology Development, Suncor

Group Discussion Exercise and Democratic Process – Gord Winkel, Chair, Industrial Professor, Engineering Safety and Risk Management Program Faculty of Engineering, University of Alberta.

- Participation in Technology Deployment to Set the stage for greater focused targeted collaboration in Alberta Mining.
 - In small Group Exercise and using the Dotmocracy Process, referenced the CMIC Surface Mining Roadmap.
 - Discussed focus areas on the Roadmap, and chose individual top 5 priorities. Used 5 dots and recorded the number of the priority from the Roadmap, and placed on common CMIC roadmap.
 - Additional focus areas, could also be added.
 - Requested participants to provide name and contact information on sticky's of interest focus areas.

Outcomes

- All participants informed on Focal Point Organization's (CMIC, COSIA, GMG, and University of Alberta) vision and scope.
- Topics of interest have been identified, and individual contact information provided.



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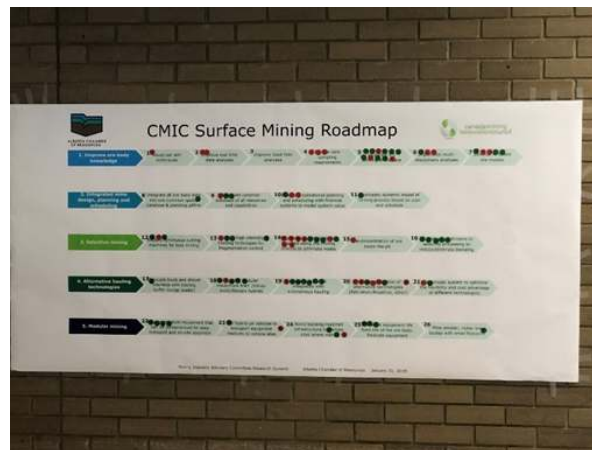


Results of Dotmocracy and Interest Focus Areas

These results are reflective of the ACR Membership and other attendees at this Research Summit. Results may be different for a different audience.

Use the Roadmap in your organizations and interactions, and feedback is always welcome to improve our Roadmap.

We will continue to use this Roadmap and revise and improve as more data is collected. Summit participants will be communicated, any improvements and updates to the Roadmap.





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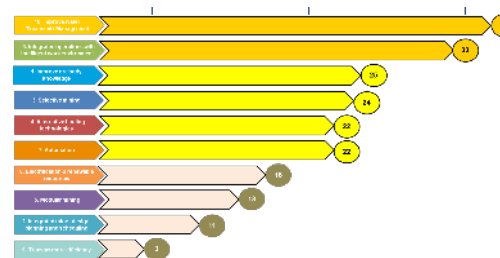
Next Steps

- Facilitate connection of organizations and individuals with like interest opportunities for collaboration.
- ACR/MIAC will monitor progress and provide support / guidance to connect with CMIC and COSIA, GMG and University of Alberta.
- Expectation is organizations and individuals will take the initiative to initiate collaboration, studies, projects, workshops etc.
- Participants to contact research focal points to be included on their mailing list for news items and activities.
- Provide progress update on initiatives.

Who:



What:



Focus where:





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Mining Research Groups Contact Information

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Canada Mining Innovation Council (CMIC)

Email: Carl@cmic-ccim.org www.cmic-ccim.org

Carl Weatherell, Executive Director & CEO,
1.613.627.0771 x105 1.613.979.3142 (m)

Global Mining Group

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www.gmqgroup.org

Heather Ednie Managing Director,
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University of Alberta

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CMIC Surface Mining Roadmap





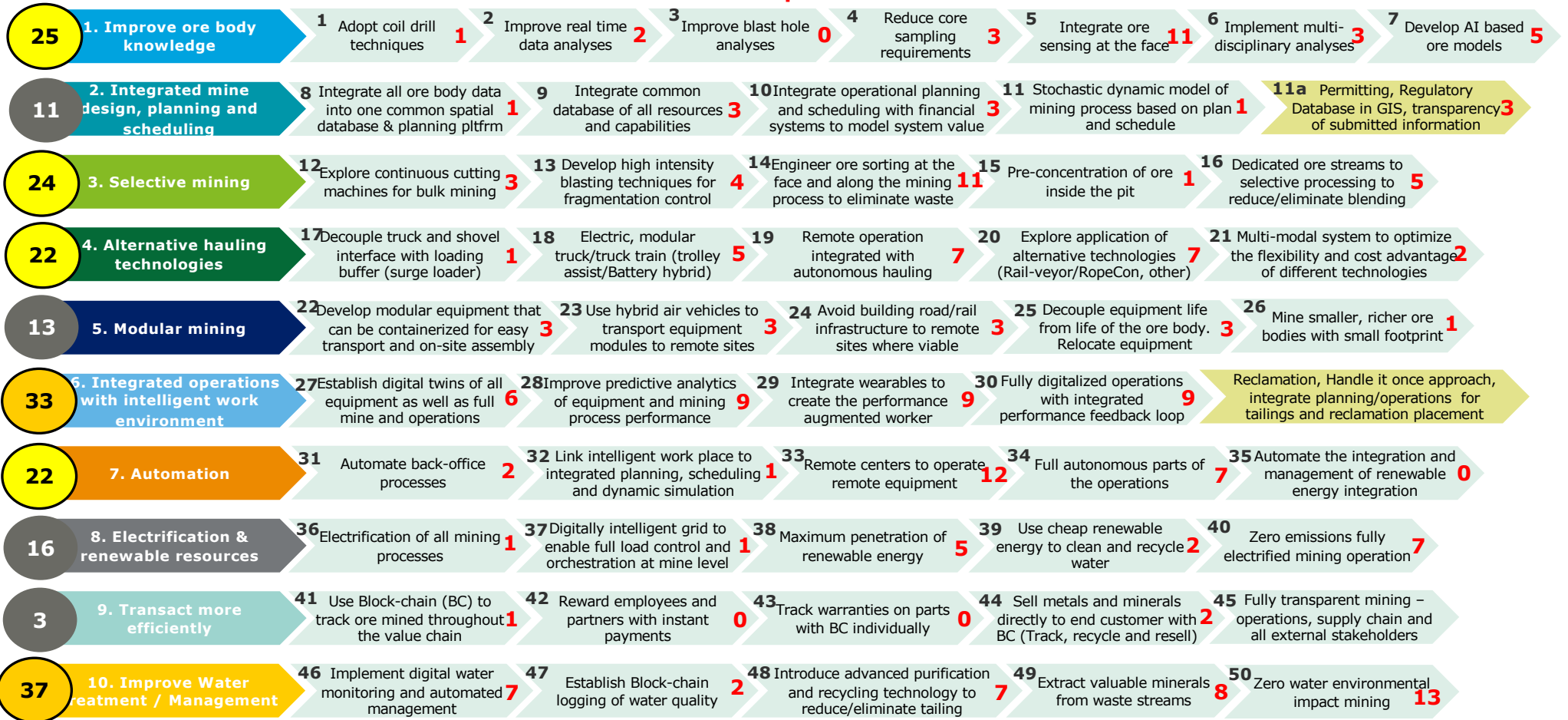
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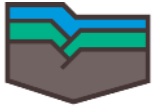
Total Sum of dots

CMIC Surface Mining Roadmap



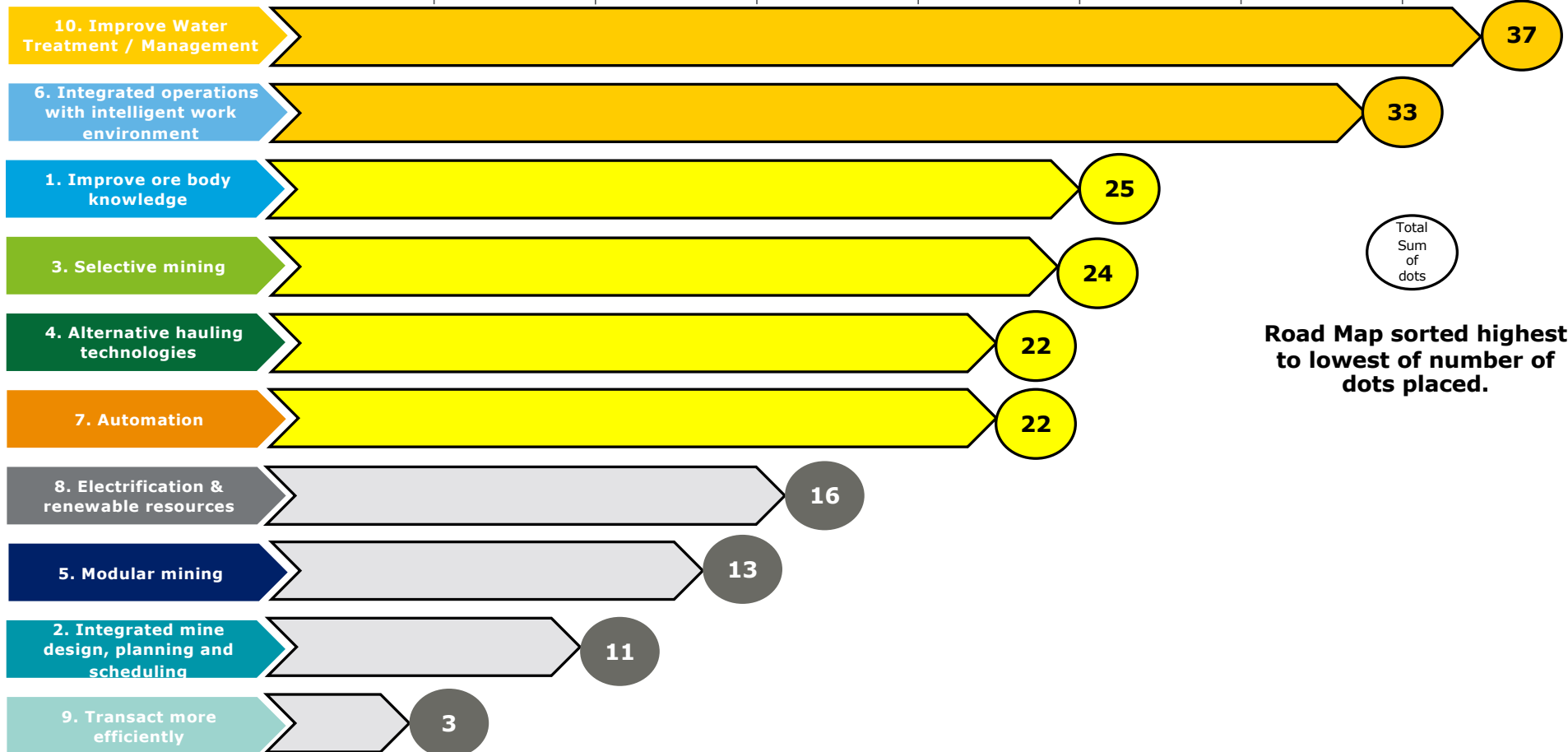
Red Number is sum of dots placed on each area.





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CMIC Surface Mining Roadmap



Road Map sorted highest to lowest of number of dots placed.



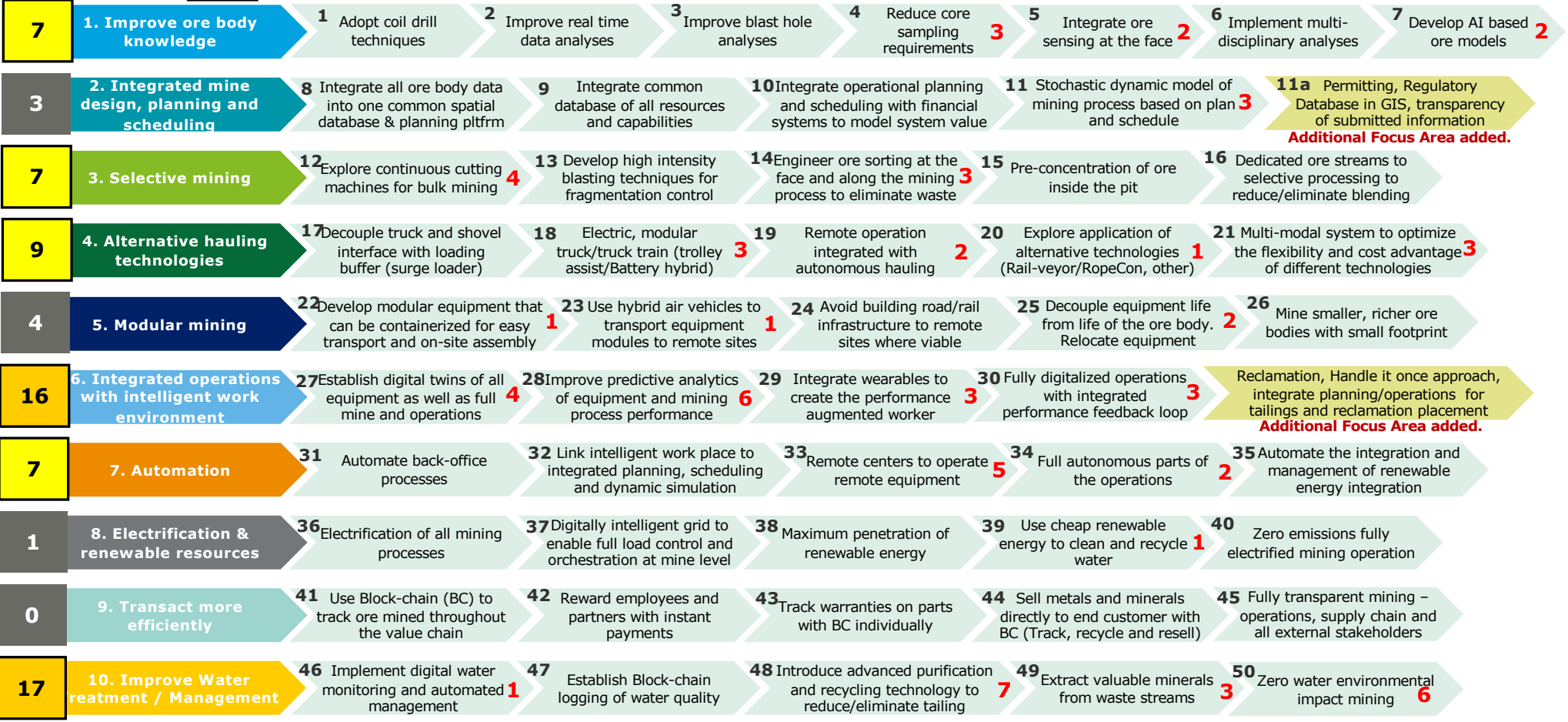
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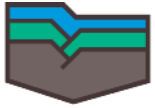
Total Sum of sticky's

CMIC Surface Mining Roadmap



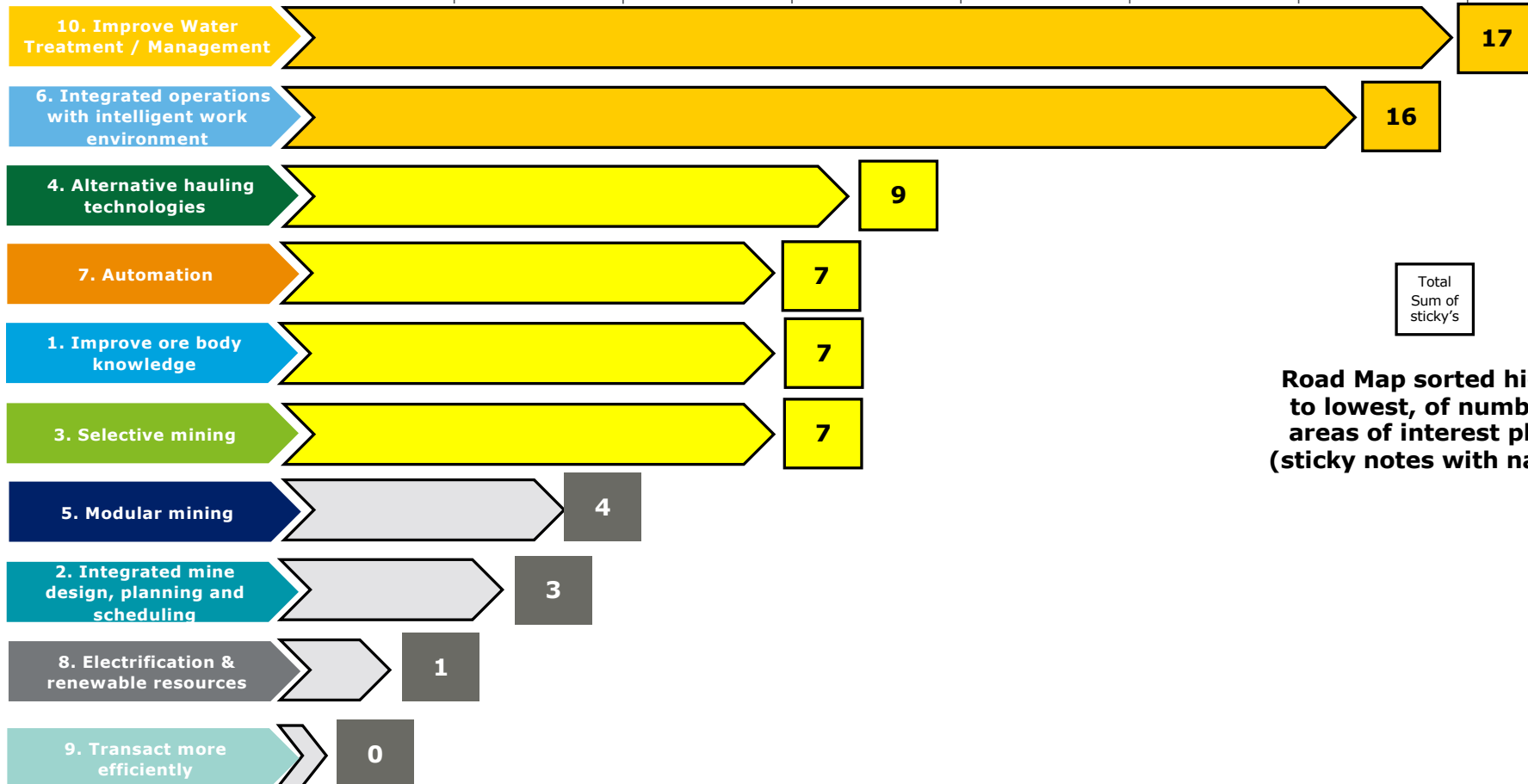
Red Number is sum of sticky notes with contact name placed on each area.





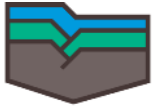
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CMIC Surface Mining Roadmap



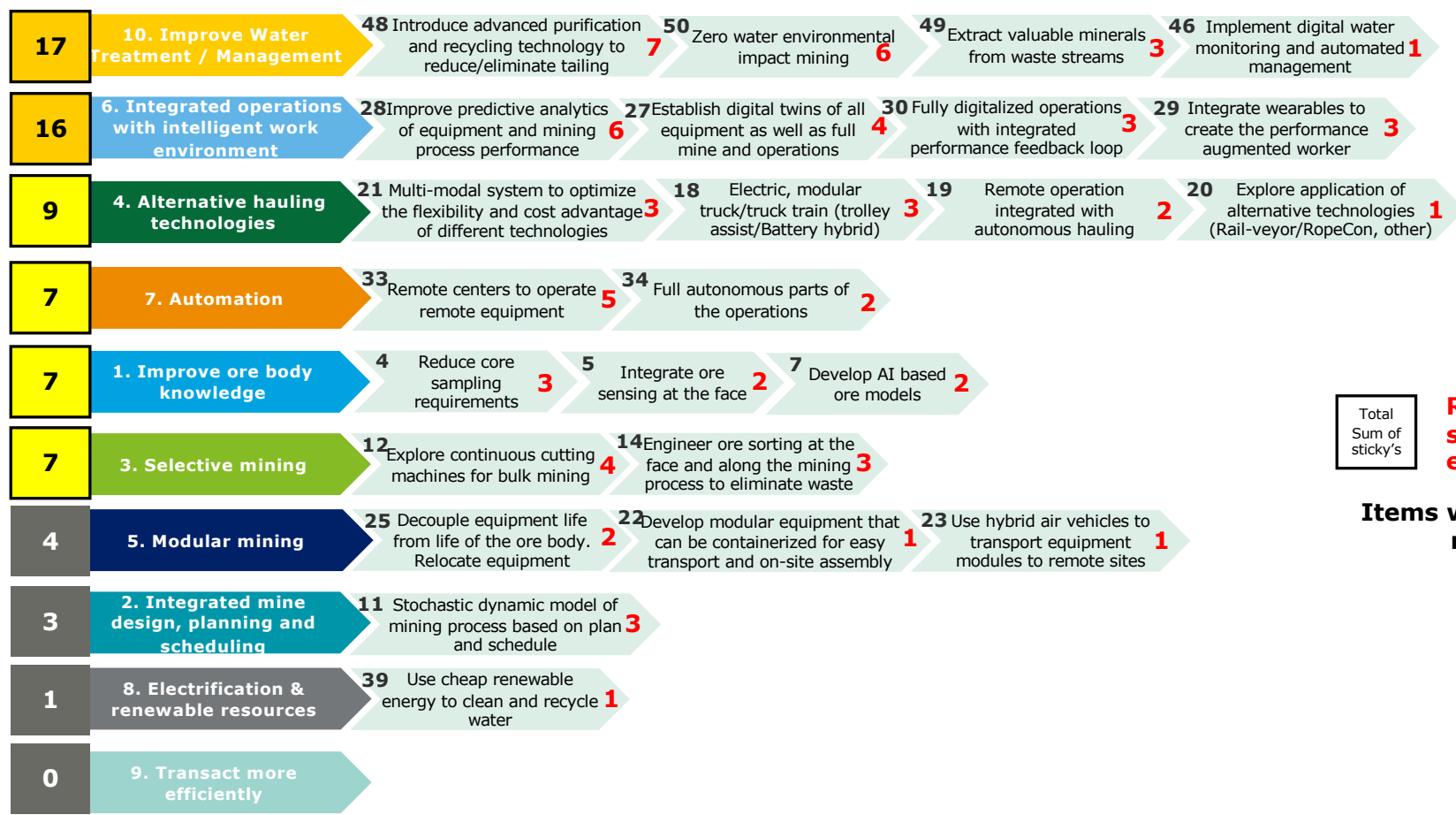
Total Sum of sticky's

Road Map sorted highest to lowest, of number of areas of interest placed (sticky notes with names).



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CMIC Surface Mining Roadmap



Total Sum of sticky's

Red Number is sum of sticky notes placed on each area.

Items with no sticky notes not included.



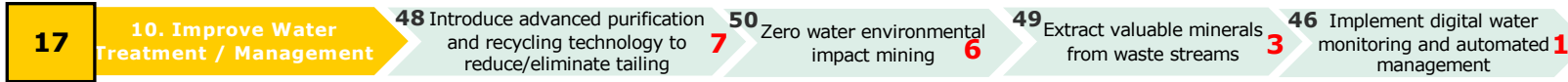
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Total Sum of sticky's

CMIC Surface Mining Roadmap



Contact Information for Areas of Interest



Focus Group Area
<input checked="" type="checkbox"/> COSIA
<input checked="" type="checkbox"/> CMIC
<input checked="" type="checkbox"/> GMG
<input checked="" type="checkbox"/> U of A

48	First Name	Last Name	Email	Job Title	Company
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	Andrea	Sedgwick	asedgwick@nait.ca	Ledcor Applied Research Chair	NAIT

50	First Name	Last Name	Email	Job Title	Company
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	Kevin	Turner	kevin.turner@woodplc.com	Manager, Process Engineering	Wood Canada Ltd.
	Tara	Wang	Tara.Wang@aer.ca	Senior Tailings Engineer	Alberta Energy Regulator
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46	First Name	Last Name	Email	Job Title	Company
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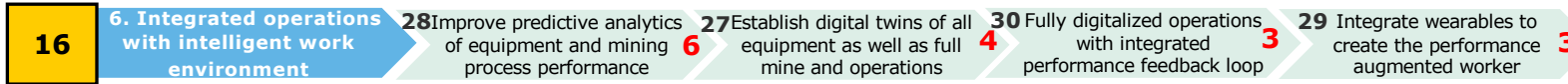
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CMIC Surface Mining Roadmap



Contact Information for Areas of Interest



Focus Group Area
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<input checked="" type="checkbox"/> U of A

28	First Name	Last Name	Email	Job Title	Company
	Corey	Mclvor	corey.mcivor@ledcor.com	Senior Vice President	Ledcor Group
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	Brent	Boutilier	boutilier.brent@syncrude.com	Sr Project Manager	Syncrude Canada LTD.



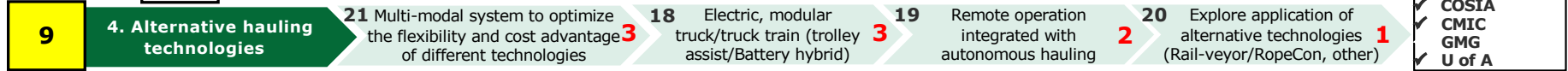
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CMIC Surface Mining Roadmap



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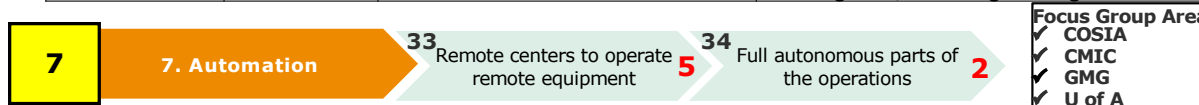
Focus Group Area
✓ COSIA
✓ CMIC
✓ GMG
✓ U of A

21	First Name	Last Name	Email	Job Title	Company
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Focus Group Area
✓ COSIA
✓ CMIC
✓ GMG
✓ U of A

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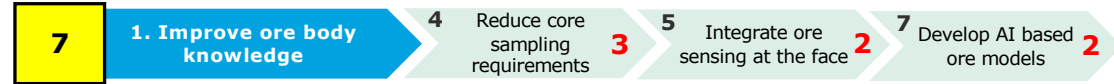
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CMIC Surface Mining Roadmap



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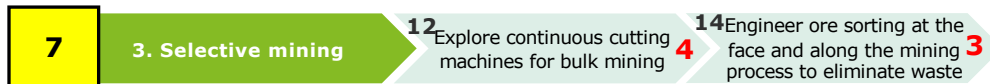


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4	First Name	Last Name	Email	Job Title	Company
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	Mike	Anderson	anderson.michael@syncrude.com	R&D Reliability Team Leader	Syncrude Canada Ltd.

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	Mark	Dekaban	mark.a.dekaban@esso.ca	Mining Research Lead	Imperial



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	Keith	Wilson	keith.wilson@stantec.com		Stantec



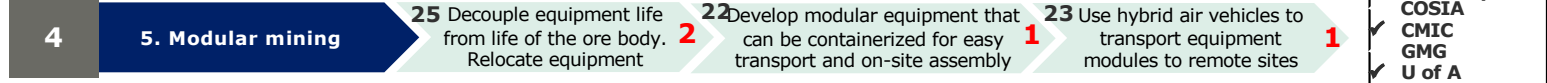
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CMIC Surface Mining Roadmap



Contact Information for Areas of Interest



22

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23

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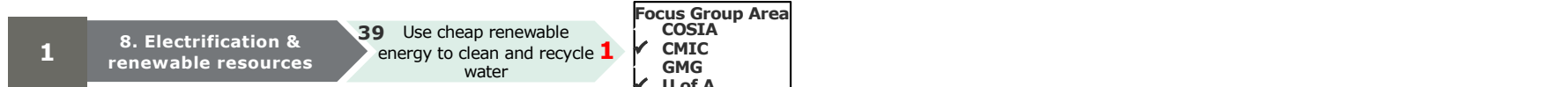
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11

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