

Be KSKSIARIVI

THE AGENCY'S VISION.....

THE FOCUS AREAS MAP TO SEVEN ONGOING INITIATIVES

FOCUS INITIATIVES AREAS Our People Accepting Risk Career **Accepting Risk Technology Enhancement** Adoption **Agency Desired Technology** Culture Signposts and **Innovation** Markers Innovation **Process Simplification**

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Be riskSMART

An OEDO Futures Transformation Initiative

Why another risk-informed decisionmaking effort?

Provide a common high-level framework, applicable to all disciplines (e.g., technical, legal, corporate)

What is success?

- Confidence to use riskinformed decisionmaking
- Understand that the NRC mission is maintained
- Realize benefits by appropriately focusing resources to the most important endeavors



Obstacles Identified by the Staff

Siloed organization

Limited awareness of guidance

Potential flexibilities not reflected in guidance

*Treatment of low likelihood events

*Reluctance to adapt processes

*Limited consideration of benefits

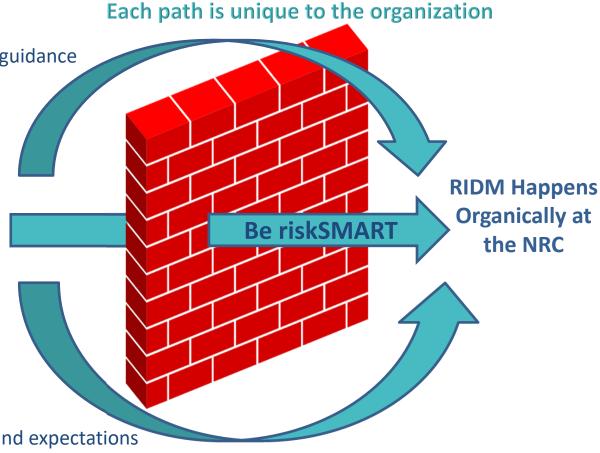
*Applied too late in process

*Presence of uncertainties

Lack of guidance

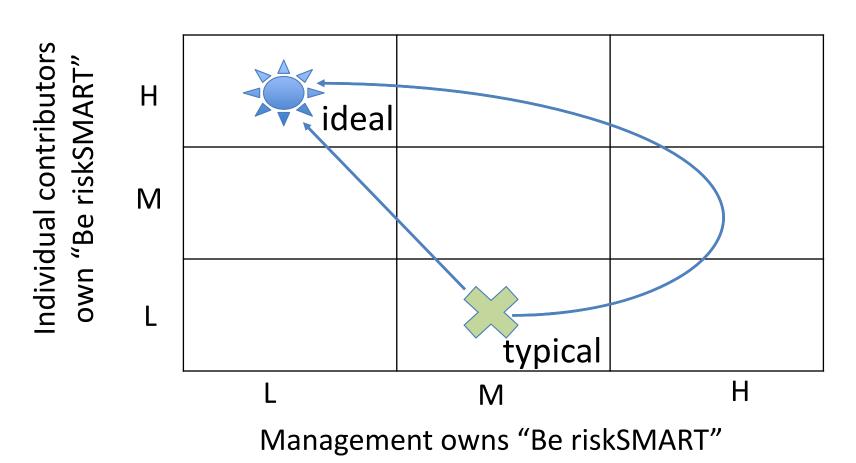
*Rigid interpretation of regulations

Inconsistent management support and expectations





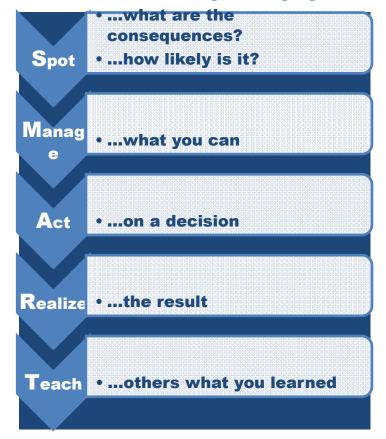
Gauging Success: Risk Informed Decisionmaking Starts with YOU!





Be riskSMART

• ...what can go wrong/right?







...the problem statement

Articulate the Problem Statement

Should I commute to work using a bike to get more exercise?



Consider:

- Do I need to ask the question
- Is there a pre-determined answer (e.g., employer commuting policy, law)





...what can go wrong/right?

What event(s) or circumstance(s) present a challenge or opportunity?

Challenge



Opportunity

Need exercise to stay healthy

Get exercise while commuting

Fall

Save Gas





...what are the consequences?

What are the possible outcomes of the challenges or opportunities?

Challenge



Opportunity

Health Declines

Health Improves

INJURY

Increased Income

Better for Environment





...how likely is it?

Using the best available information (could be quantitative and/or qualitative), what is the chance of event(s) or circumstance(s) leading to a particular consequence

Challenge



Opportunity

Health Declines: ~100%

Health Improves: % Depends on technique, equipment and commute conditions

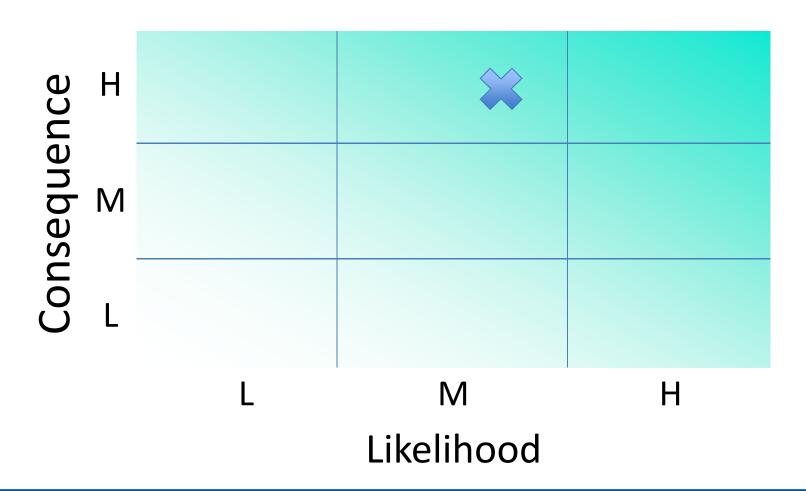
Injury: % Depends on severity, traffic, terrain, proficiency

Increased Income: ~100%

Better for Environment: ~100%



Document Spotting Results Using a Heat Map





...what you can

Manag

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How can I mitigate, prevent, prepare for, and transfer challenges and/or enhance the opportunities?

Challenge (Mitigate)



Opportunity (Enhance)

No Exercise → Health Declines: engage in other types of exercise instead

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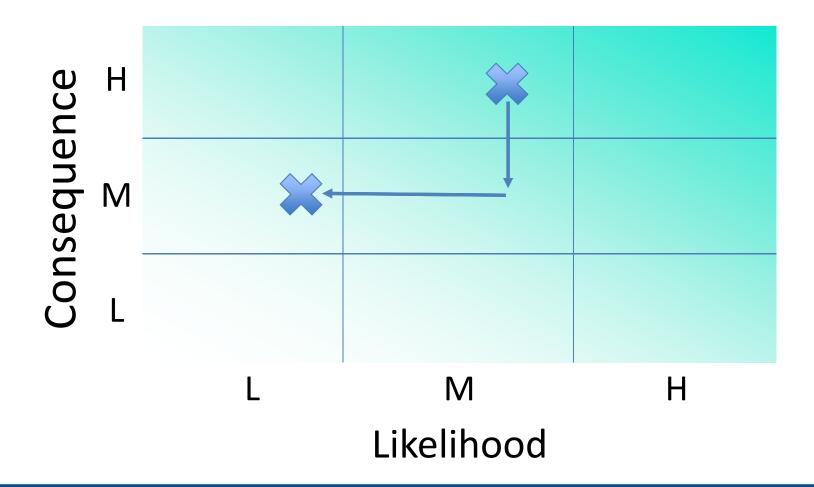
Exercise → Health Improves: work on technique to get more benefits

Fall \rightarrow Injury: buy protective gear, get better bike, don't ride in bad weather, carry first aid kit, ride on better roads

Save Gas → Increase Income & Better for Environment: nothing to manage

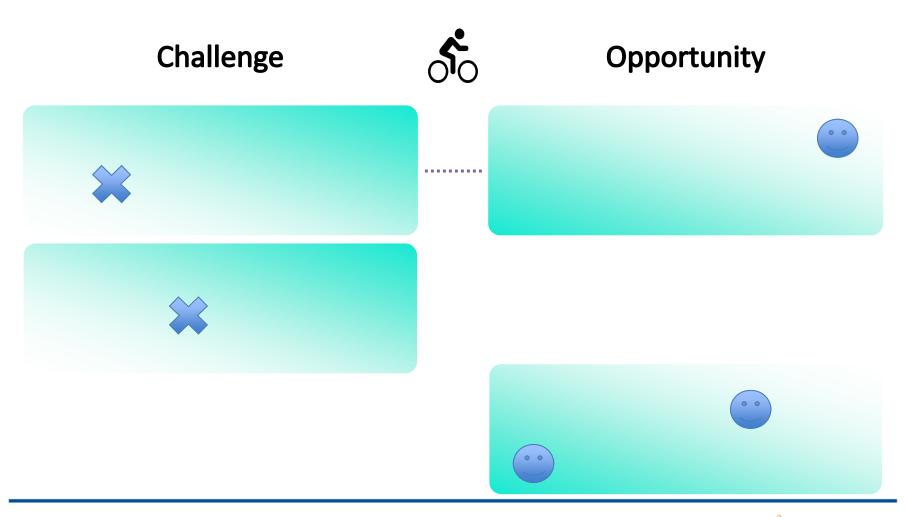


Adjust Results Based on Management Strategies





Collate "Heat Map" Inputs

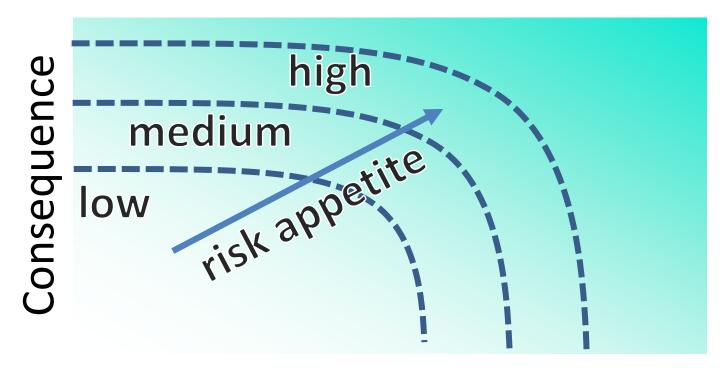




...on the decision

Act

After hearing everyone and evaluating the information, document what you "spotted" and "managed," and make a decision.



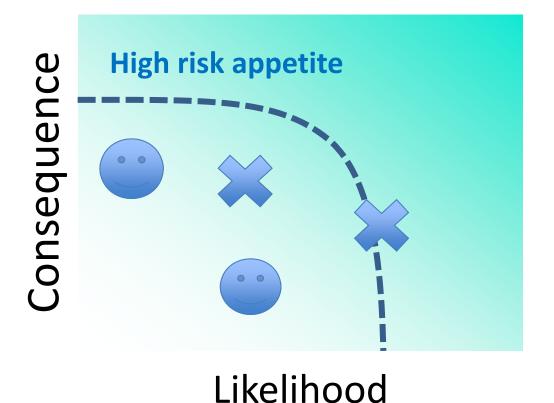
Likelihood



...on the decision

Act

After hearing everyone and evaluating the information, document what you "spotted" and "managed," and make a decision.





Go Biking!

Nah... not worth it—continue to go to the gym



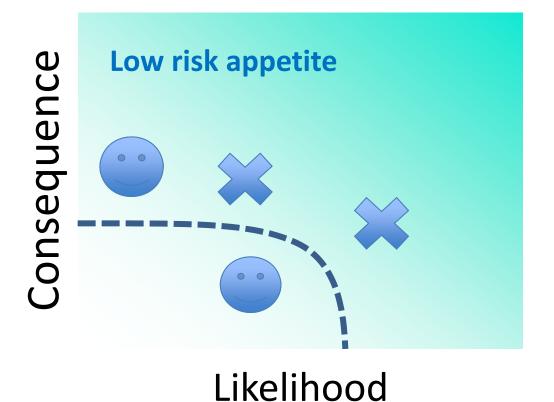
Protecting People and the Environment



...on the decision

Act

After hearing everyone and evaluating the information, document what you "spotted" and "managed," and make a decision.





Go Biking!

Nah... not worth it—continue to go to the gym





...the result

Realiz

Now it's time to implement and ascertain efficacy!



Do what you decided under "Act" while

managing what you can and

measuring your performance and progress



Teac h

...others what you learned

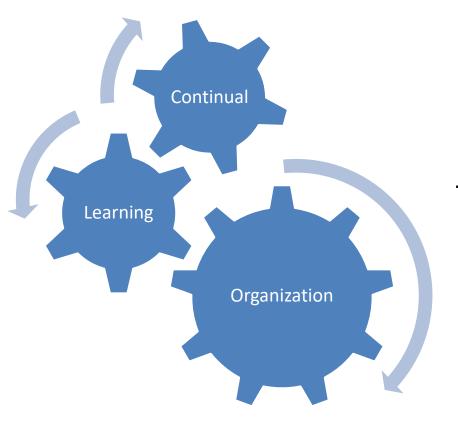
Take the time to manage knowledge by synthesizing lessonslearned and insights, and disseminating to a broader audience spread the word!



- Bring a colleague next time
- Share information on best gear, routes, sites with biking group/blog
- Apply lessons-learned to a new activity



Be riskSMART



Make adjustments as things change (weather) and you learn new things (traffic pattern)



Obstacles Identified by the Staff

*Reluctance to adapt processes (T)

Inconsistent management support and expectations (A)

Potential flexibilities not reflected in guidance (S)

*Treatment of low likelihood events (S)

*Applied too late in process (S)

Siloed organization (SMART)

*Rigid interpretation of regulations (S)

Limited awareness of guidance (T)

*Presence of uncertainties (M and S)

Lack of guidance (T)

*Limited consideration of benefits(S)

Let's be a part of the change together!



Be on the lookout for these next steps...

Milestone	Date	
Develop Diagnostic Tool	February 2020	
Conduct Pilot Tests	April 2020	
Finalize Framework	May 2020	
Deliver Functional Area Training	September 2020	
Perform Knowledge Check	December 2020	
Collect Staff Examples	March 2021	
Conduct a Jam	March 2021	
Perform a Survey	April 2021	



Questions?

Reach out to anyone on the



OEDO Initiative Team



Be riskSMART

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