### IC2 Webinar: Alternatives Assessment Beta Tool

<table>
<thead>
<tr>
<th>Antibacterial Hand Soaps</th>
<th>Define</th>
<th>Evaluate</th>
<th>Compare</th>
<th>Summary Matrix</th>
<th>My Projects</th>
<th>Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALT 1: Triclosan</td>
<td>ALT 2: Triclocarban</td>
<td>ALT 3: Thyme Oil Antibacterial Soap</td>
<td>ALT 4: Soap &amp; Water</td>
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<td><strong>AVERAGE</strong></td>
<td>Triclosan</td>
<td>Triclocarban</td>
<td>Thyme Oil Antibacterial Soap</td>
<td>Soap &amp; Water</td>
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Who We Are

Joanna Malaczynski
CEO

Hunter Marcks
Designer

Charles Catino
Developer

www.ecovaluate.com
Portland, Oregon
What We Are Doing

Alternatives Assessment Software

• Visually compare alternatives
• Assign values for relevant criteria
• Utilize IC2 AA framework
• Automate & simplify the process
Current Status

**Beta Testing Version 1.0**

- Manufacturers / Brands
- Regulatory Staff / Agencies
- Consultants / Technical Experts

**Rolling input into future versions**

- Development of Ratings / Criteria
- User Guidance through AA Process
- High Demand for Automation
Tour of Beta 1.0

And future direction
1. Identify the scope of your project.
This may be a product line, an analysis of particular issues, or something more specific. Also identify a project goal—be specific about the ideal outcome.

2. Define your alternatives.
Include the key characteristics of your alternative. Keep these characteristics in mind when evaluating your alternatives in Step 3.

3. Evaluate your alternatives.
Organize relevant evaluation criteria on separate topic/theme pages (e.g. hazards, performance, economics, etc). Assign stop-light buttons to rate each alternative based on the criteria you select.

4. Compare scores by topic.
Quickly compare the desirability of each alternative based on the scores it received for each evaluation criteria within a given topic.

5. View the summary matrix.
This is a summary of the desirability of each alternative by topic (e.g. hazards, performance, economics, etc.). You can go back between Steps 1-5 at any time as your ideas progress.
1. **Identify the scope of your project.**

This may be a product line, an analysis of particular issues, or something more specific. Also identify a project goal—be specific about the ideal outcome.
Welcome to your project. Here you will define your first alternative, which should be your status quo. In the next screen, you will get to add more alternatives and identify their key distinguishing characteristics.

SHORT NAME

*Plastic BPA*

DESCRIPTION

*Polycarbonate Plastic containing Bisphenol-A*

ADD ALTERNATIVE

2. **Define your alternatives.**

Assign a short name to your first alternative (e.g. Plastic w/BPA). The description box is useful if you have a long name for your alternative (e.g. Polycarbonate Plastic containing Bisphenol-A).

If you have a status quo or preferred alternative when you begin, name this one first.

*This step will go away, Per user feedback.*
2. **DEFINE YOUR ALTERNATIVES.**
Include the key characteristics of your alternative. Keep these characteristics in mind when evaluating your alternatives in Step 3.
## Define Your Alternatives

Include the key characteristics of your alternative. Keep these characteristics in mind when evaluating your alternatives in Step 3.

### Our Current Key Features
- Add/Restore
- Archive Data
- Edit Selections
- Document Info

### Characteristics of Alternative

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
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<tbody>
<tr>
<td>Chemical</td>
<td></td>
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<tr>
<td>Material</td>
<td></td>
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<tr>
<td>Component</td>
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<td>Design</td>
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<td>Mfg Process</td>
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<td>Equipment</td>
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<tr>
<td>Supplier</td>
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**Add/Restore Characteristics**

**Archive Characteristics**
2. **Define Your Alternatives.**

Include the key characteristics of your alternative. Keep these characteristics in mind when evaluating your alternatives in Step 3.

*Example 1: BPS as an alternative to BPA.*

*Example 2: Blend of mineral oil and beeswax as a natural sealant alternative to the status quo (i.e. Linseed Oil, Ethylene Glycol Monobutyl Ether, Fluorinated Acrylic Copolymer, and N-alkyl Dimethylamine Oxides).*

*Future version will have additional guidance.*
3. EVALUATE YOUR ALTERNATIVES.

Organize relevant evaluation criteria on separate topic/theme pages (e.g. hazards, performance, economics, etc). Assign stop-light buttons to rate each alternative based on the criteria you select.
3. **Evaluate Your Alternatives.**

Organize relevant evaluation criteria on separate topic/theme pages (e.g. hazards, performance, economics, etc). Assign stop-light buttons to rate each alternative based on the criteria you select.

We are moving to a numbering system (1-5) on the ratings.
3. **Evaluate your alternatives.**
Organize relevant evaluation criteria on separate topic/theme pages (e.g. hazards, performance, economics, etc). Assign stop-light buttons to rate each alternative based on the criteria you select.
4. COMPARE SCORES BY TOPIC.
Quickly compare the desirability of each alternative based on the scores it received for each evaluation criteria within a given topic.

Future possibilities:

Moving to a numbering system (1-5) on the ratings.

On/off feature: incorporating weights (indexed to 1.0).

Comparison of all alternatives by one criteria at a time.
5. **View the Summary Matrix.**

This is a summary of the desirability of each alternative by topic (e.g. hazards, performance, economics, etc.). You can go back between Steps 1-5 at any time as your ideas progress.
Moving to a numbering system (1-5) on the ratings.

On/off feature: incorporating weights (indexed to 1.0).
RESOURCES

Table of Contents

Alternatives Assessment Guidance Documents
Chemicals of Concern in Common Products (Popular Databases)
Hazards Databases and Analysis Tools
Materials/Life Cycle Analysis (Popular Resources and Data)
Safer Alternatives (Popular Resources and Data)

DRAFT MOCK-UP:

Provide list of basic resources for new users
Thank You.

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http://ecovaluate.herokuapp.com
Future Direction

Questions for You

1. Resources section: what resources to include?
2. Weighted index feature by priority: do you like the idea?
3. Report generation feature: what should it include?
4. Document management for citations and scoring methodologies?
5. Automation of data: what data could be fed into criteria scores?