

## Vaja 3: Programi za odločitveno modeliranje na spletu

### 1. program: SilverDecisions

*Program za delo z odločitvenimi drevesi*

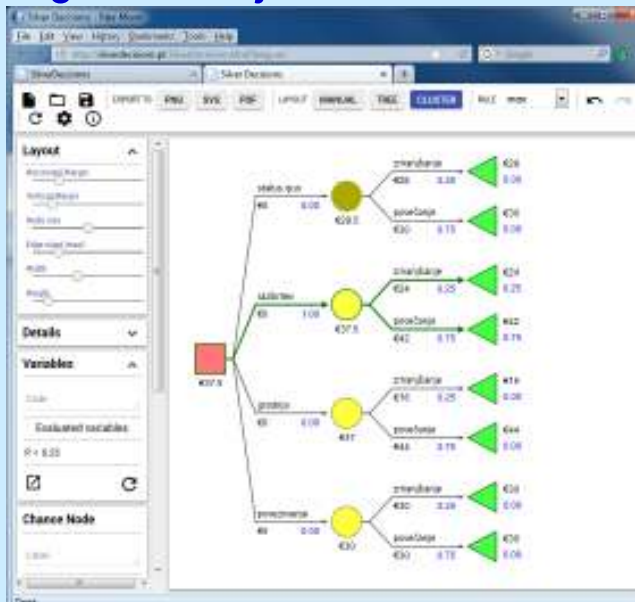
<http://silverdecisions.pl/>



The screenshot shows the SilverDecisions website interface. At the top, there is a logo consisting of three colored circles (red, yellow, green) followed by the text "SilverDecisions". Below the logo, it says "A free and open source decision tree software". The main content area is divided into four orange-colored boxes, each with an icon and text:

- Run**: Icon of a person running. Text: "Launches SilverDecisions in your browser". Below this is a language selection dropdown menu set to "English".
- Manual**: Icon of a book. Text: "Read the documentation and browse sample decision trees".
- Bugs**: Icon of a bug. Text: "Report bugs, issues or feature requests".
- Development**: Icon of a code editor. Text: "View project source on GitHub".

## Naloga: Izdelajte odločitveno drevo



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## 2. program: BPMSG AHP Hierarchies

<http://bpmsg.com/academic/ahp-hierarchy.php>



Brezplačen portal, omogoča osnovno delo z metodo AHP

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## BPMMSG AHP: Naloge

- Definirajte svojo hierarhijo parametrov, npr.:  
Avto: Cena, TehKar;  
Cena: Nabavna, Vzdrzevanje;  
TehKar: Moc, Poraba, Varnost;
- Določite uteži parametrov po metodi AHP
- Definirajte tri avtomobile po lastnem izboru
- Ovrednotite in analizirajte variante

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The screenshot shows the 'AHP Online System' web interface. The main heading is 'AHP Online System'. Below it, the current task is 'Avto: Pairwise Comparison TehKar'. The instructions state: 'Please do the pairwise comparison of all criteria. When completed, click Calculate Result to get the priorities. Scale: 1 - Equal importance, 2 - Moderate importance, 3 - Strong importance, 4 - Very strong importance, 5 - Extreme importance (1=4, 2=3, 3=2, 4=1, 5=1/5, 2=1/2, 3=1/3, 4=1/4, 5=1/5) (Reciprocals in between)'. The current question is: 'With respect to TehKar, which criterion is more important, and how much more on a scale 1 to 5 for Avto?'. The comparison is between 'Moc' and 'Varnost'. The interface shows three rows for comparison: 1. Moc vs Paroba, 2. Moc vs Varnost, and 3. Paroba vs Varnost. Each row has radio buttons for selecting the more important criterion and a scale from 1 to 5. Below the comparison, there is a 'Calculate Result' button and a 'Submit Priorities' button. The 'Resulting Priorities' table is shown below:

Priority	Company	Priority	Rank
1	Moc	100%	3
2	Paroba	23.0%	2
3	Varnost	63.7%	1

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**Project Avio**

**Decision Hierarchy**

Level 0	Level 1	Level 2	Global Priority
Avio	Dela	Nabavila	0.400
		Vozilovozila	0.200
		Mac	0.100
		Peralata	0.050
		Samostoj	0.050
	Tehnika		

OK, Search for group and alternative eval. **Alternatives** 10

**Hierarchy**  
Model: Hierarchy evaluation  
2 hierarchy levels, 5 and nodes, 3 AND priority operators

**Input a new hierarchy**

How many nodes in the new hierarchy (for example):  
 Level: 0:5, 1:2, 2:3  
 Class: Hierarchy, 75, 750000000.000  
 Transfer: Sum=0.5012500, Rank=0.2000000, Values=0.0000000

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Compare alternative with respect to criteria, how good is the fit of alternative with each criterion?

Alternative	Rank	Weight	Criteria	PF	RF	WF
1. Nabavila	1	0.400	AND	0.400	0.400	0.400
2. Vozilovozila	2	0.200	AND	0.200	0.200	0.200
3. Mac	3	0.100	AND	0.100	0.100	0.100
4. Peralata	4	0.050	AND	0.050	0.050	0.050
5. Samostoj	5	0.050	AND	0.050	0.050	0.050
Total weight of alternatives:				0.800	0.800	0.800

OK, Search for group and alternative eval.

Alternative Name:  **Rank**

**Result for Alternatives**

Sorted Global Rank:

Criteria	Priority	Rank
1. All	0.400	1
2. All	0.200	2
3. All	0.100	3

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### 3. program: D-SIGHT.WEB

<http://www.d-sight.com/>



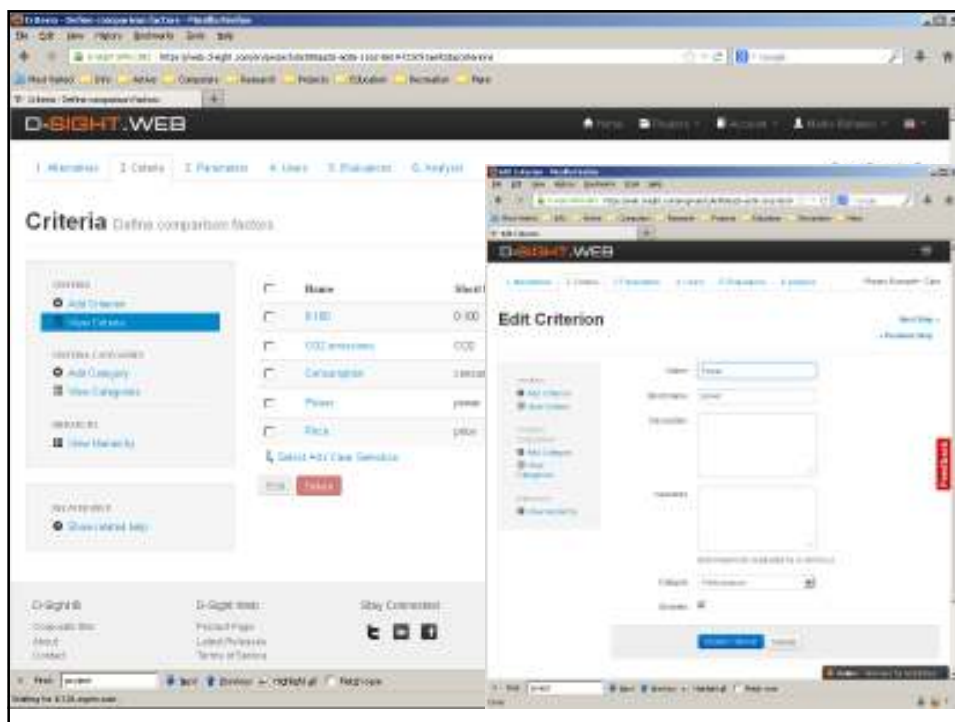
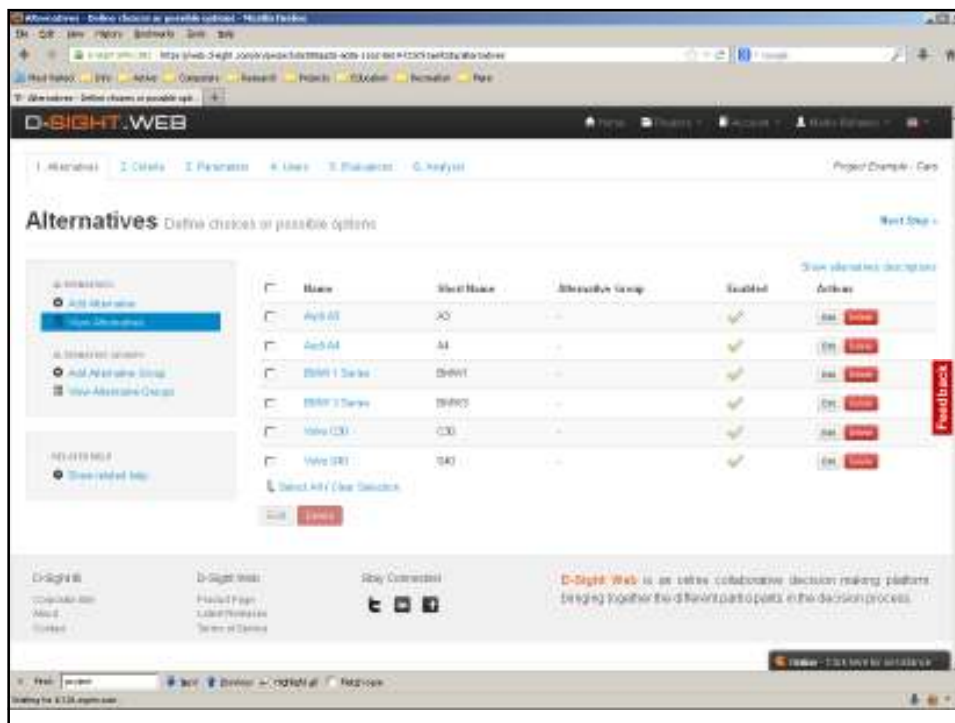
Nov program, plačljiv, omogoča 14 dni brezplačne poskusne uporabe  
Za aktivacijo morate imeti e-pošto (naslov in doseg do nje)

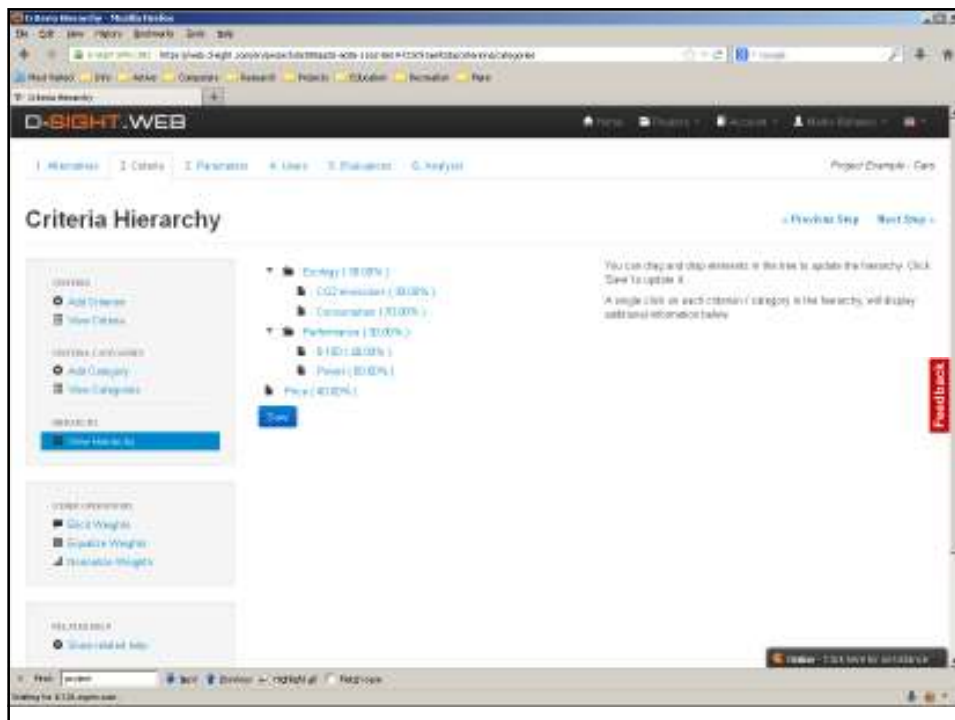
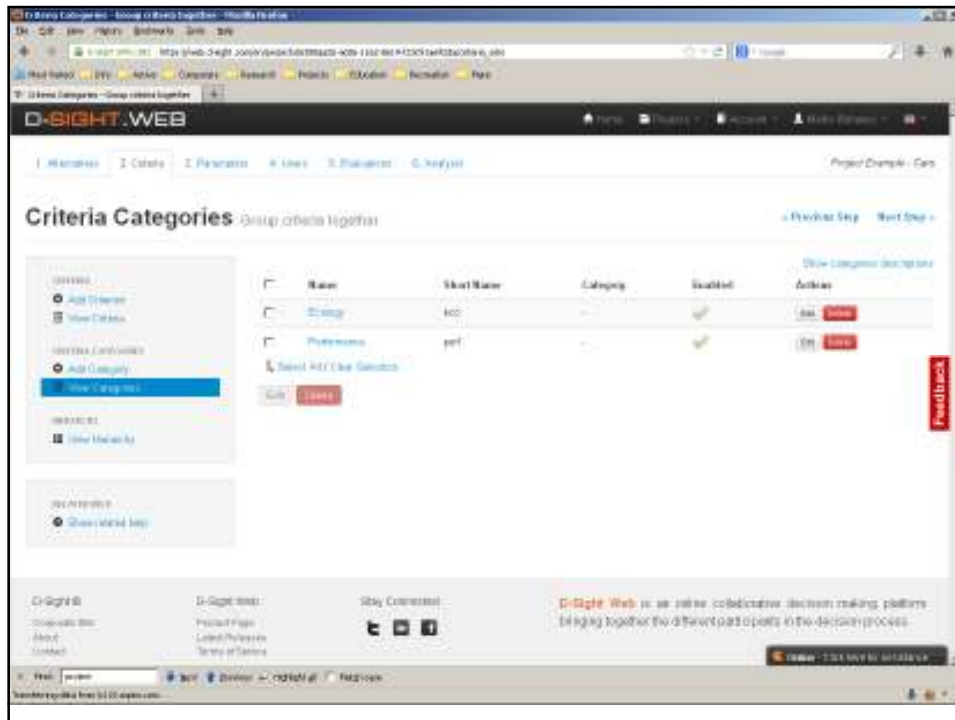
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### D-SIGHT: Naloge

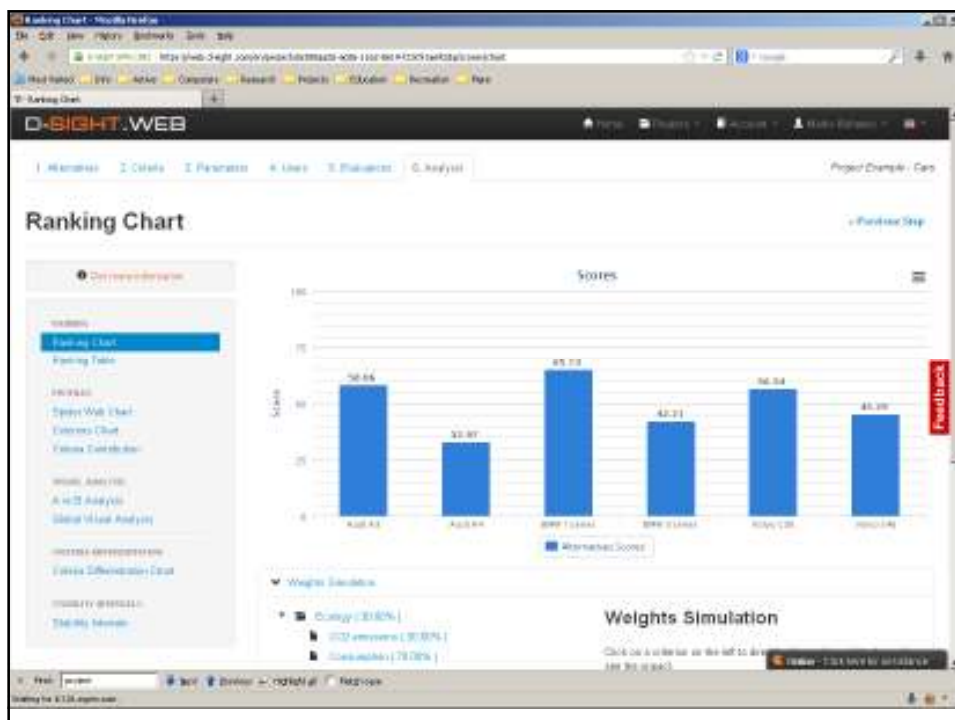
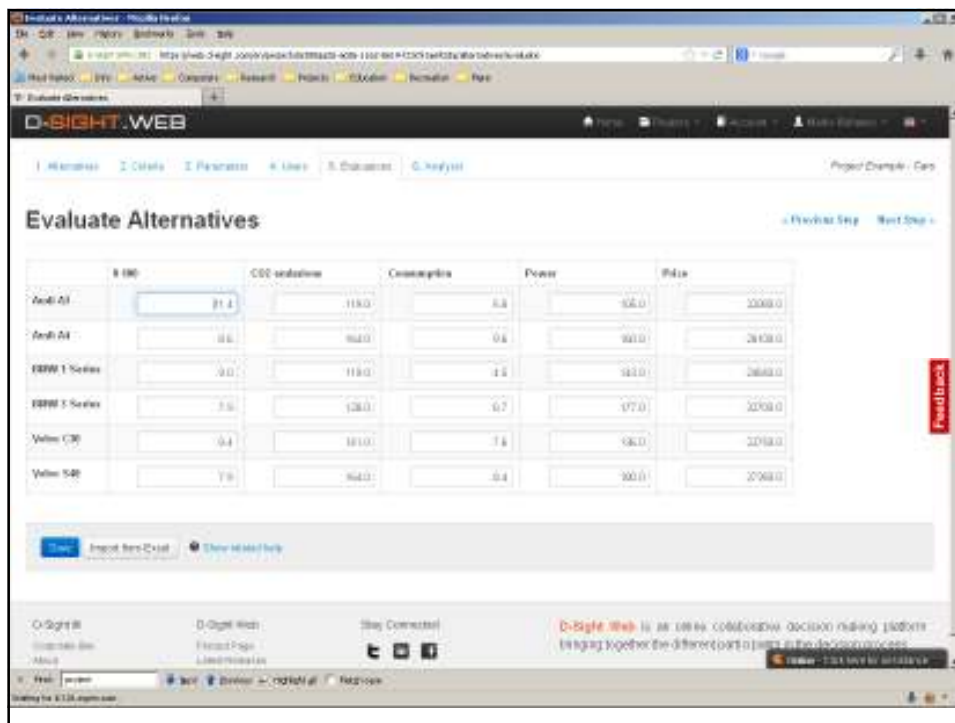
- Naložite enega od pripravljenih modelov:  
Car, Project, Site
- Po vrsti si oglejte vse možnosti, ki jih ponuja program:  
Alternatives, Criteria, Parameters, Users, Evaluations,  
Analysis  
Pri tem ugotovite in pojasnite, kaj pomenijo posamezni pojmi in možnosti
- Posebej natančno pogledajte ponujene možnosti analiz in grafikonov. Tudi te pojasnite.
- Izdelajte poročilo (npr. za seminarsko nalogo)
- Spreminjajte model in opazujte učinke sprememb

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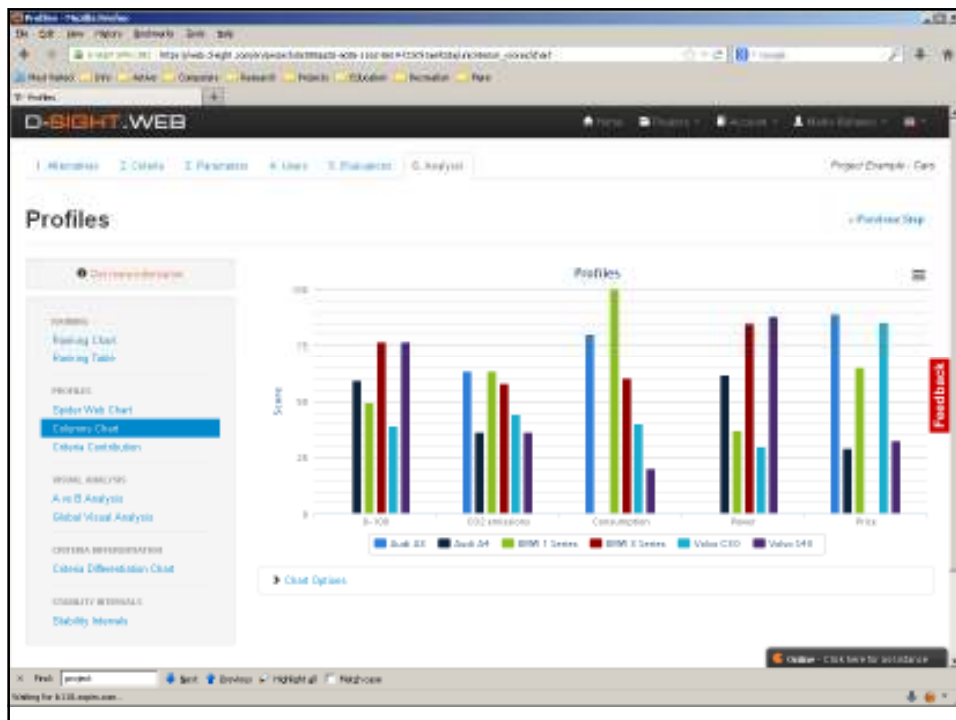
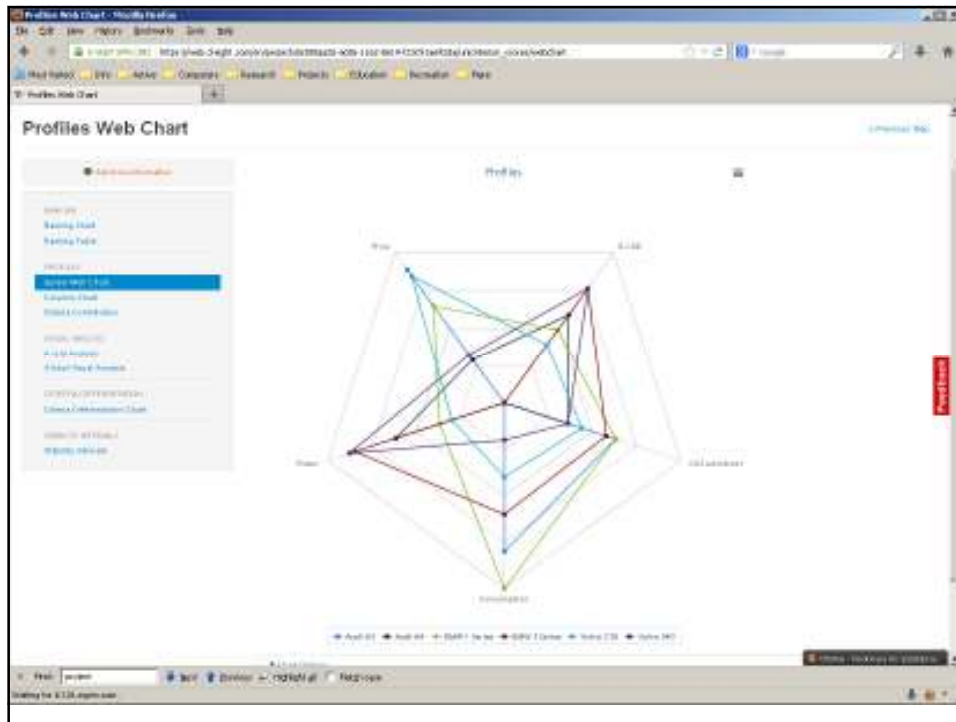


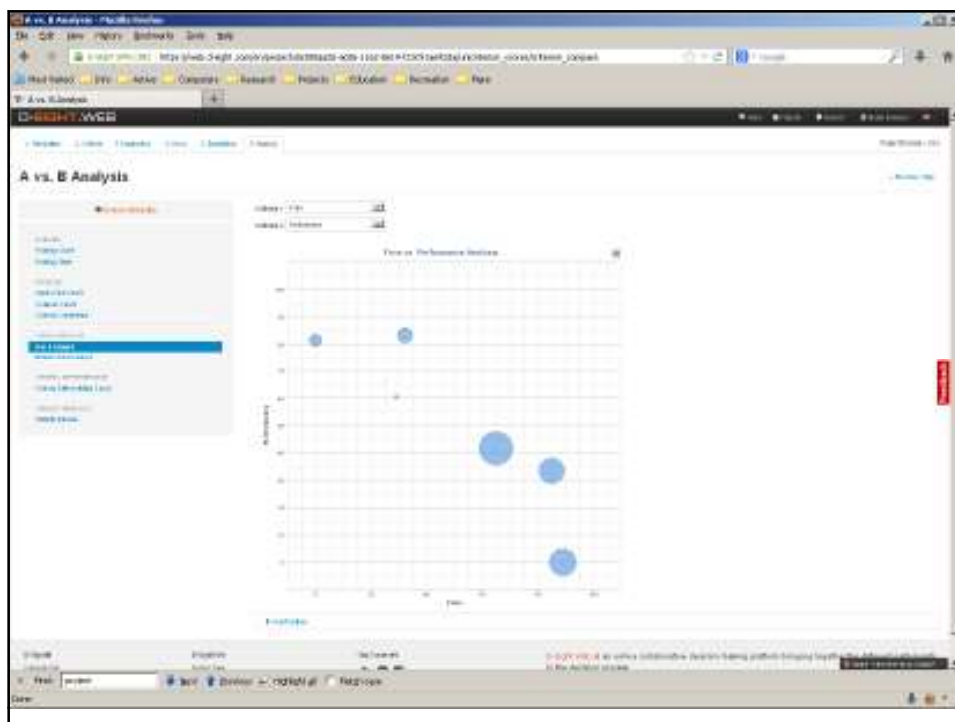
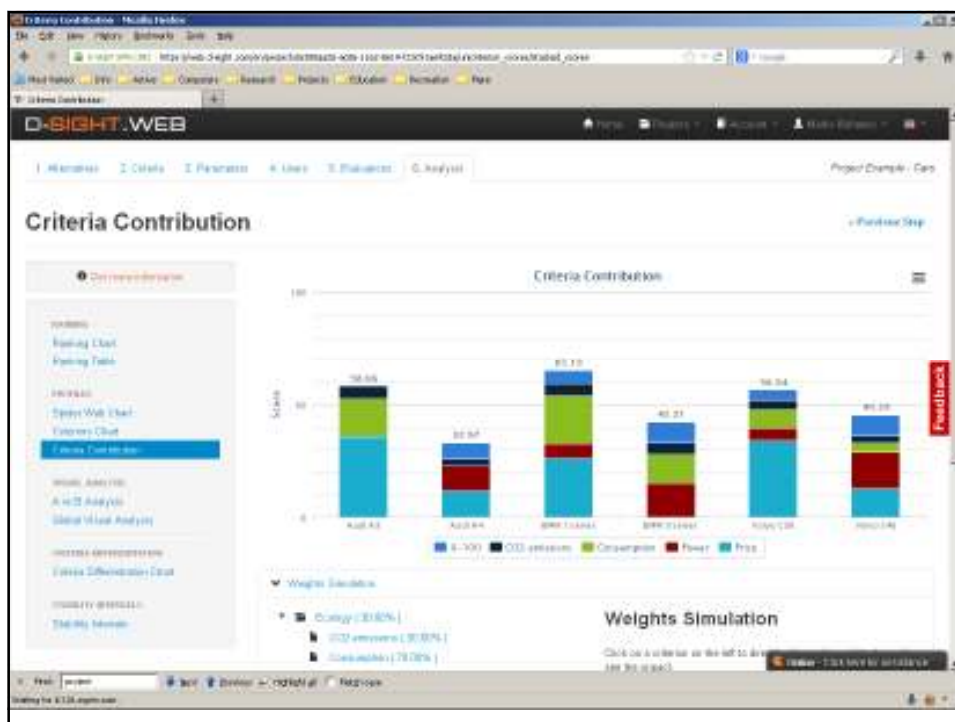


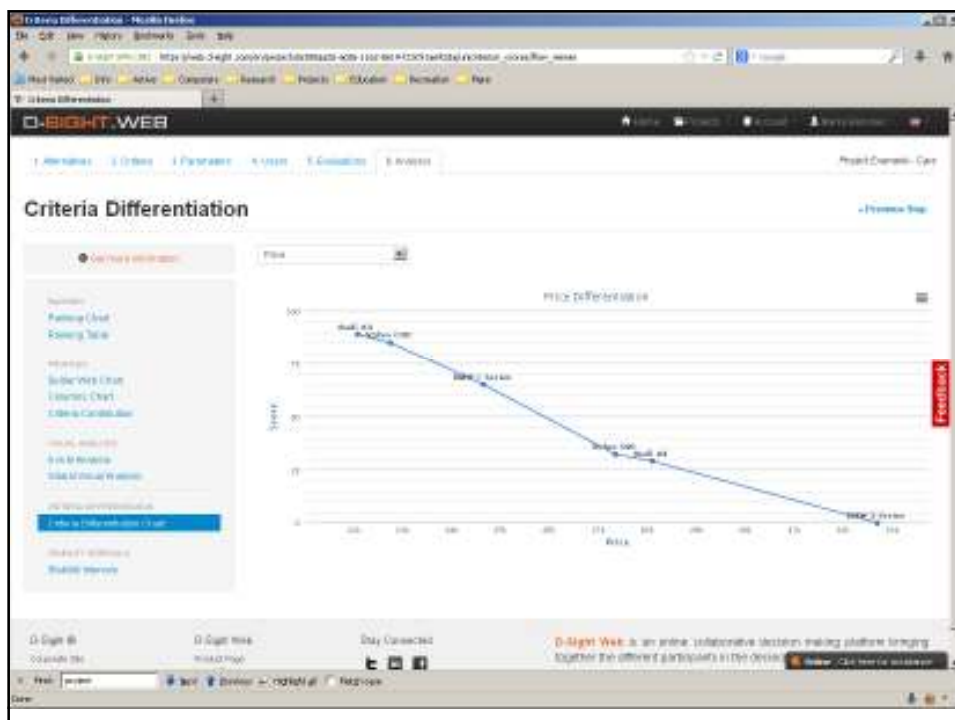
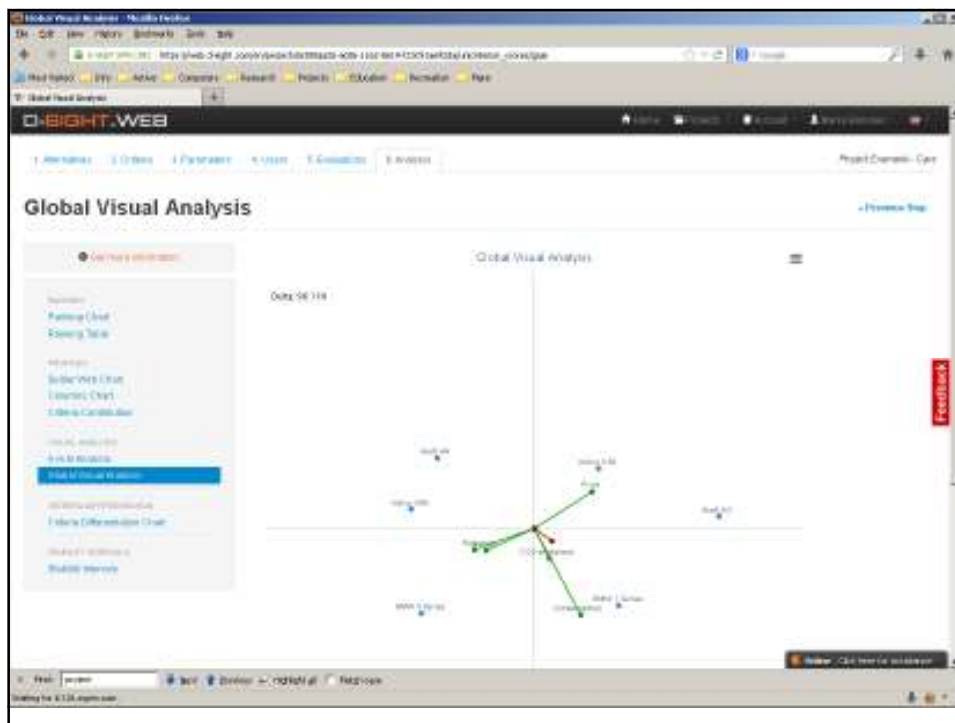


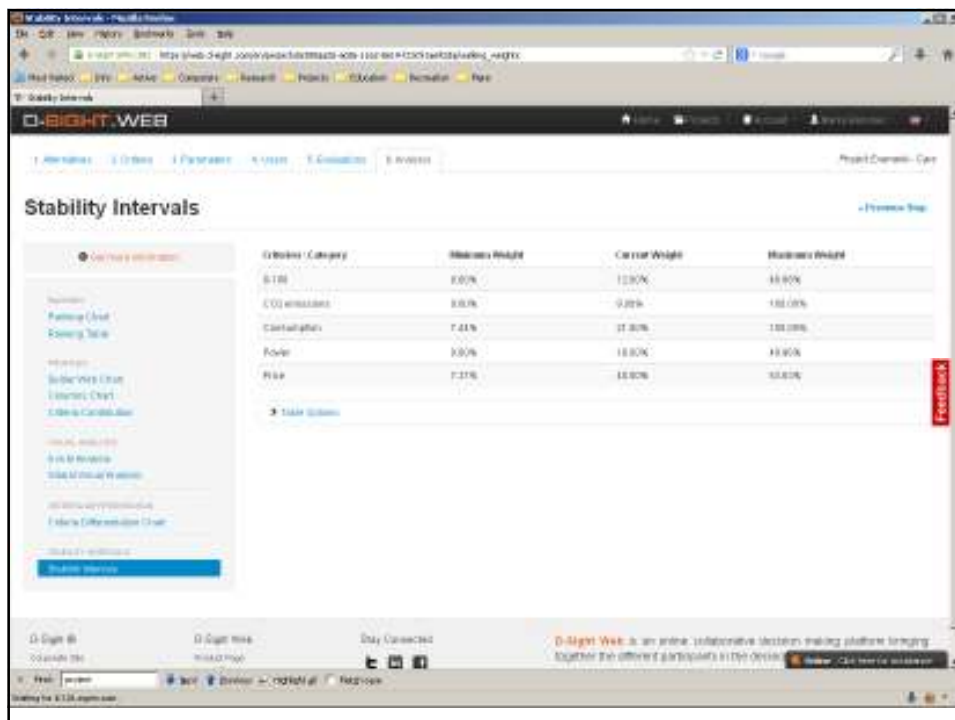












The screenshot displays the 'Stability Intervals' section of the D-SIGHT WEB application. It features a table with four columns: 'Criteria Category', 'Stability Weight', 'Current Weight', and 'Maximum Weight'. The table lists five criteria: STB, CO emissions, Capitalization, Power, and Risk. A sidebar on the left contains navigation links for various decision-making models. The footer of the interface includes the D-SIGHT logo and a brief description of the platform as a collaborative decision-making tool.

Criteria Category	Stability Weight	Current Weight	Maximum Weight
STB	8.00%	12.00%	48.00%
CO emissions	8.00%	9.00%	18.00%
Capitalization	7.41%	21.00%	105.00%
Power	10.00%	18.00%	18.00%
Risk	7.57%	18.00%	36.00%

## Naslovi spletnih strani

- **SilverDecisions:**  
<http://silverdecisions.pl/>
- **BPMSG AHP Hierarchies:**  
<http://bpmsg.com/academic/ahp-hierarchy.php>
- **D-SIGHT:**  
<http://www.d-sight.com/>

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