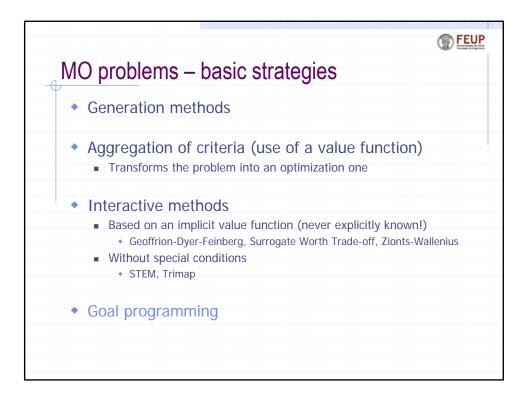
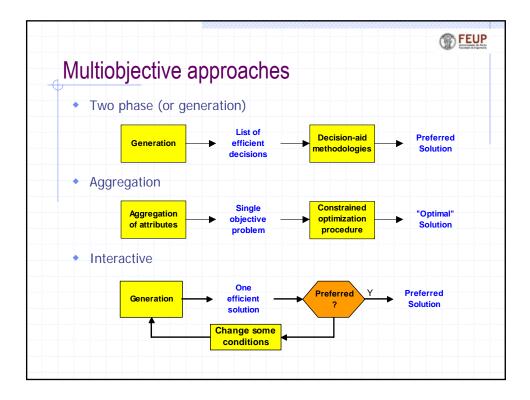


Aulticriteria analysis - m	nain approaches
<ul> <li>Ensure that the DM follows a "rational" behavior (Normative option)</li> </ul>	<ul> <li>Value functions, Utility theory, distance to the Ideal</li> </ul>
<ul> <li>Give some advice based on reasonable (but not indisputable) rules</li> </ul>	The French School
<ul> <li>Find the preferred solution from partial decisions about decision hypothesis</li> </ul>	Interactive methods
<ul> <li>Prepare decision sets</li> </ul>	• Generation methods Filtering of efficient solutions





me arguments		
Strategy	Pro	Con
Generation	Doesn't have parameters	Doesn't produce a solution or an order
	Gives the global picture	Risk of generating to many solutions
	Doesn't require the DM's presence	Heavy calculations
Aggregation Leads to optimization Induces a total order	Leads to optimization	Difficulties in building the Value Function
	Induces a total order	Some arbitrariness
	No further intervention of the DM	Tendency to predefinitions and confusio between Obj. Func. and Value Func.
Interactive	Reduces information overload	Loss of holistic vision
	Easier calculations (in general)	Produces only a final solution
	Induces learning	May need many judgments
Goal Prog.	Well established in OR	Only linear problems
1	Easy to apply	Needs goal definition
	Adequate to large dimension	Requires a lexicographic order of the
	problems	criteria (no compensation)

