Decision support for forest management

Course syllabus for 20 March to 5 April 2019

Course taught by Dr. Keith M Reynolds, USDA Forest Service, Pacific Northwest Research Station

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| Week | Lecture | Topics |
| 1 | 1 | 1. Introductions - instructor and students
2. Course overview and expectations
3. The modern context for decision support
4. An overview of decision support in forest management
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|  | 2 | 1. Introduction to EMDSb (history, concepts, principles and applications)
2. EMDS software tutorial
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| 2 | 3 | 1. Introduction to multi-criteria decision analysis (MCDA)
2. MCDA software tutorial
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|  | 4 | 1. Introduction to logic modeling
2. Examples of NetWeaver logic models
	1. Critical loads
	2. Fire danger
	3. Terrestrial condition assessment
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| 3 | 5 | EMDS examples1. Watershed analysis
2. National forest fuels analysis
3. Mid-scale forest fuels analysis
4. Terrestrial condition assessment
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|  | 6 | 1. Building a better mousetrap (recent advances in decision support)
2. Exploring FORSYS and CoP for DSS
3. The inevitable course test (1 hr)
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bThe Ecosystem Management Decision Support System