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 |
|  | 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 |
|  | 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 examples   1. Watershed analysis 2. National forest fuels analysis 3. Mid-scale forest fuels analysis 4. Terrestrial condition assessment |
|  | 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) |

bThe Ecosystem Management Decision Support System