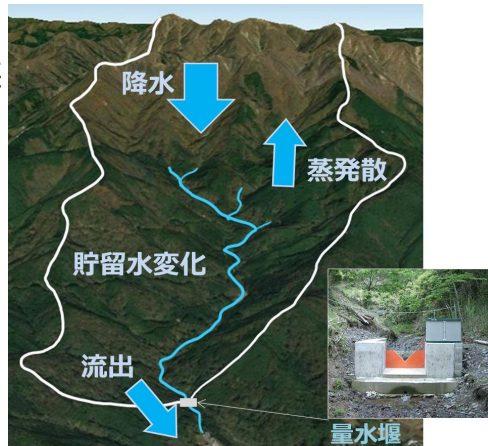


蒸発散の推定

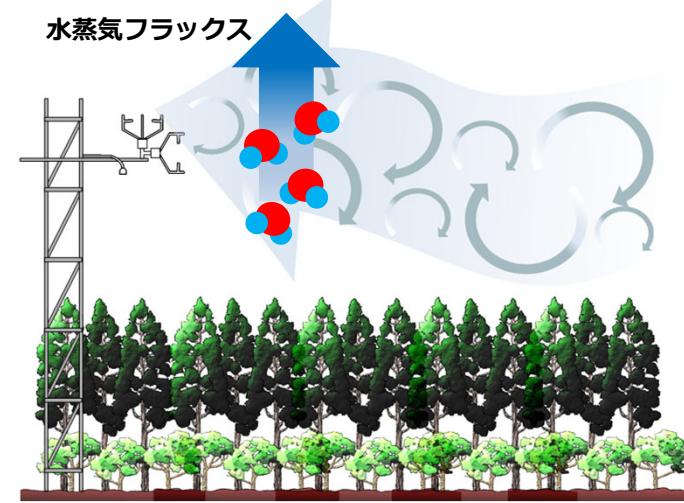
① 流域水収支： 流域試験地と量水堰



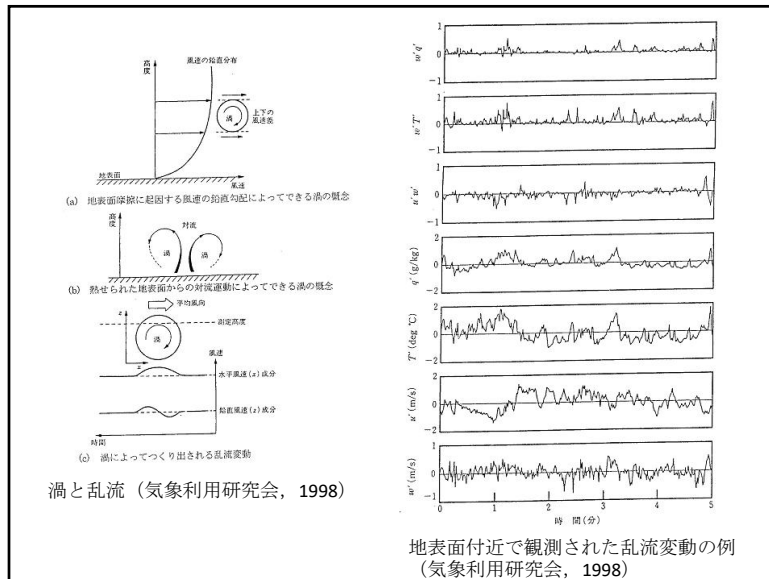
$$[\text{流出}] = [\text{降水}] - [\text{蒸発散}] - [\text{貯留水量変化}]$$

1

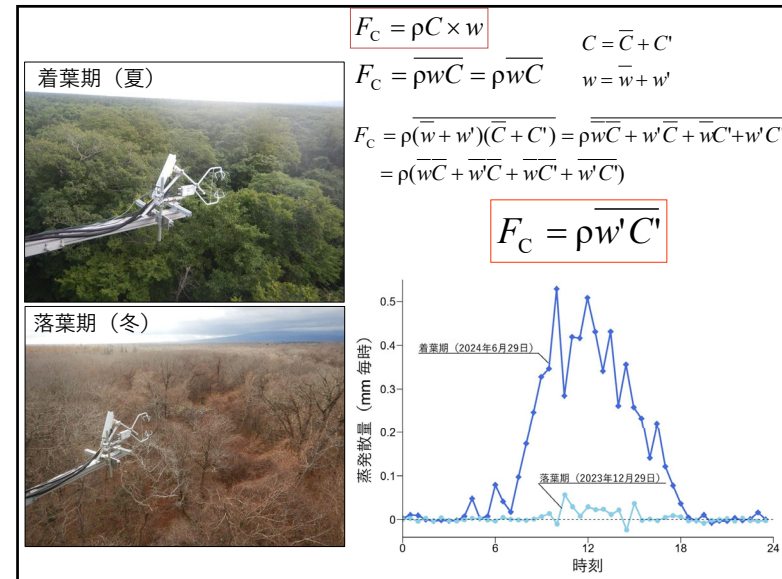
② 微気象学的方法：フラックス観測



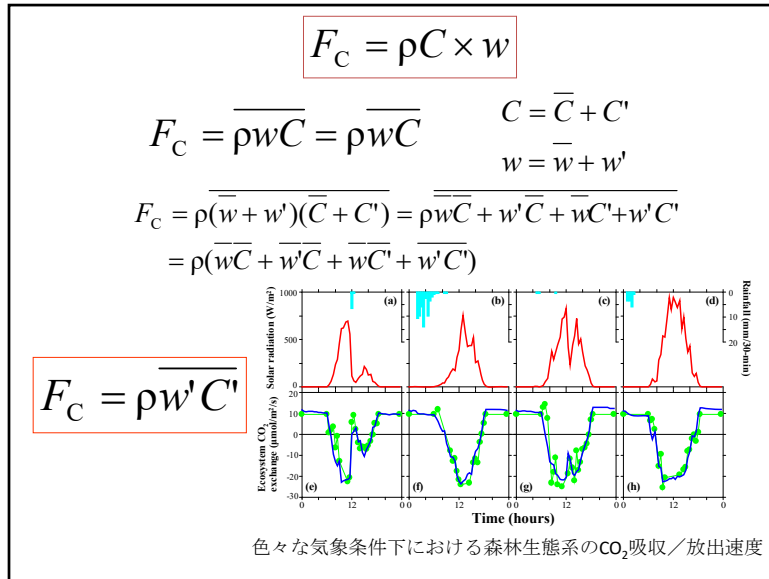
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3

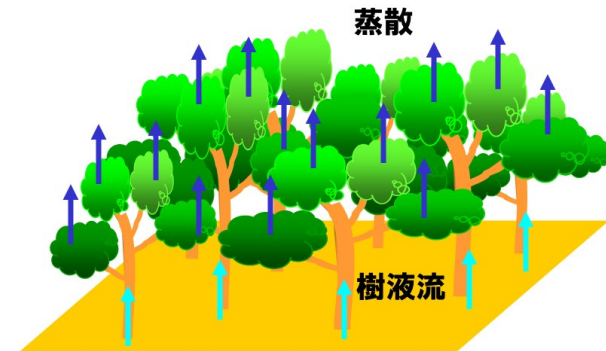


4



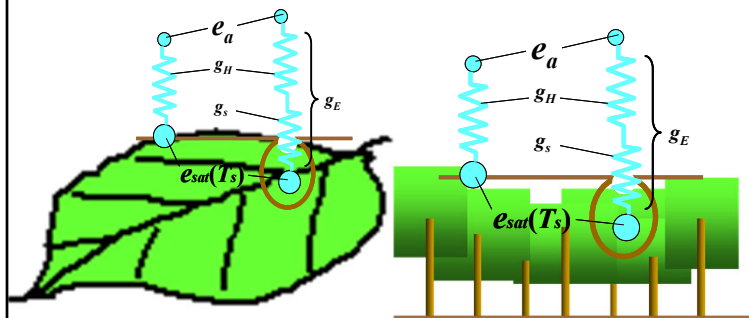
5

③-2 蒸発散直接計測：樹液流計測



6

群落も個葉も基本は“気孔”



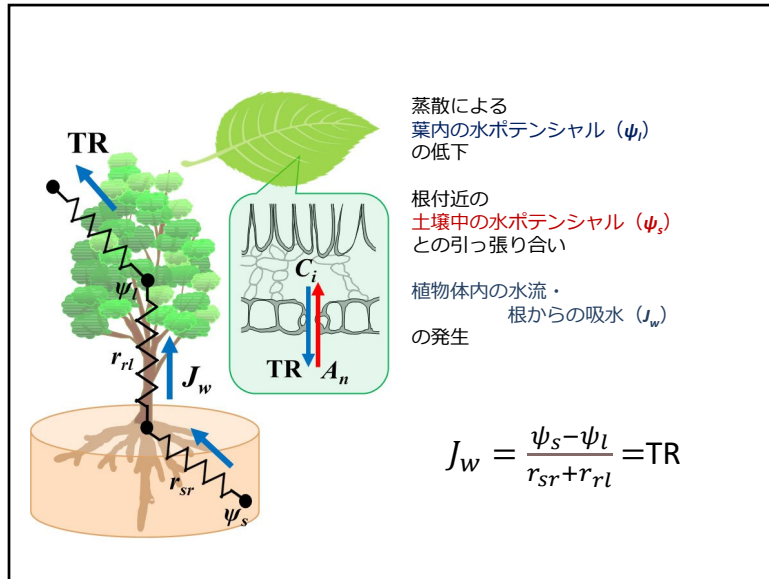
7

群落

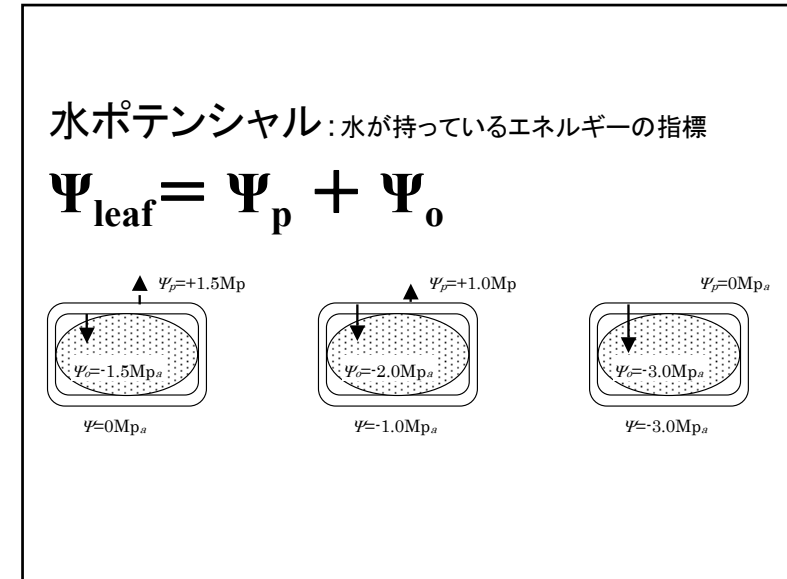
$$\lambda E = \frac{\Delta(R_n - G) + \rho c_p g_H (e_{sat}(T_a) - e_a)}{\Delta + (1 + g_H / g_s) \gamma}$$

g_s 以外、気象観測により全て既知

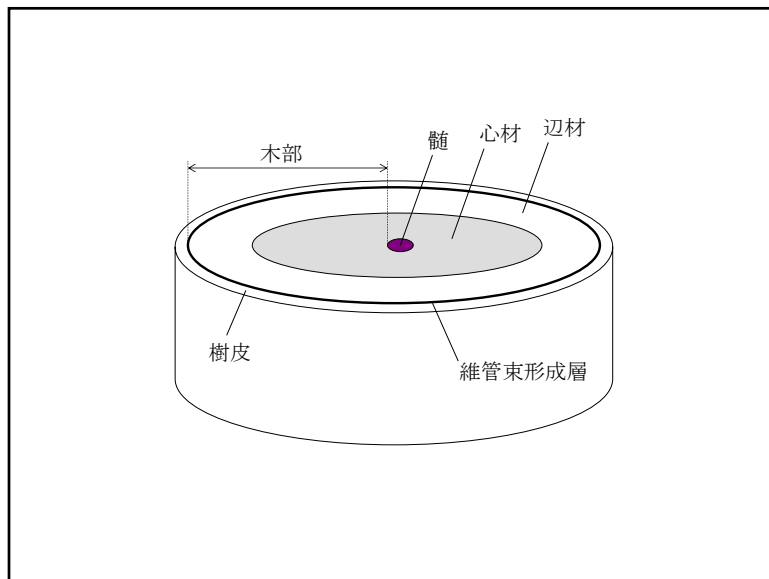
8



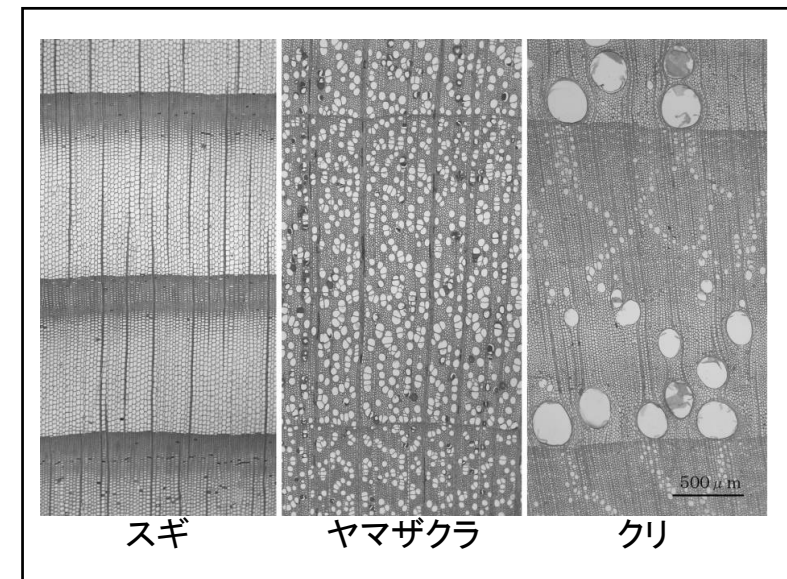
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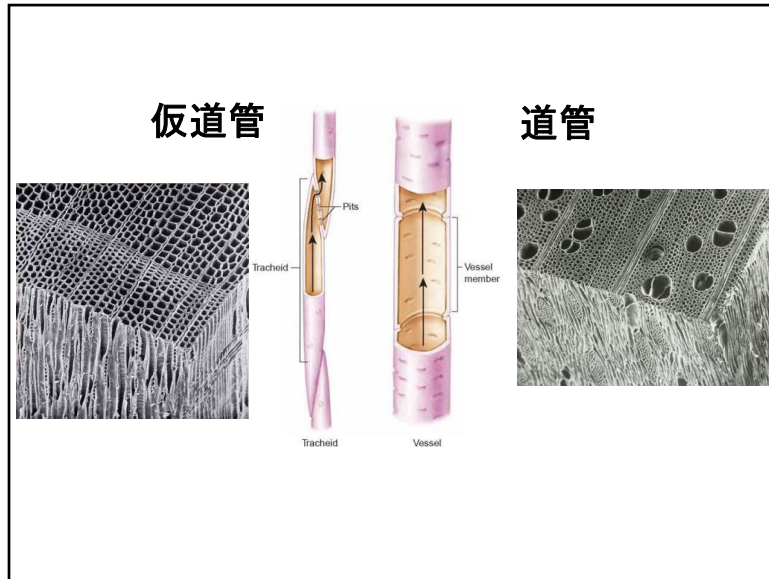
10



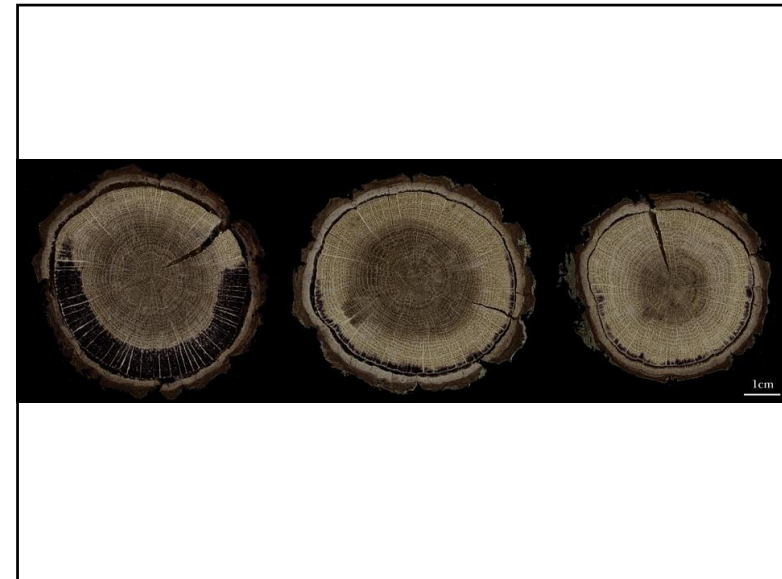
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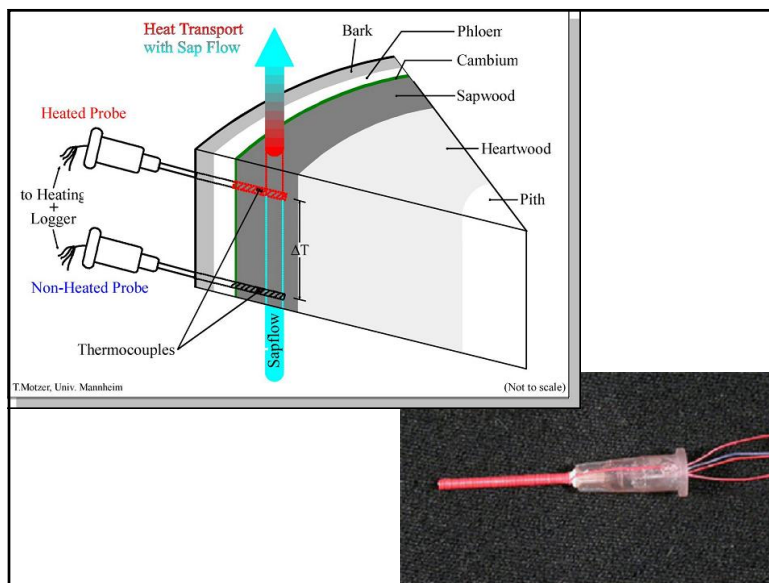
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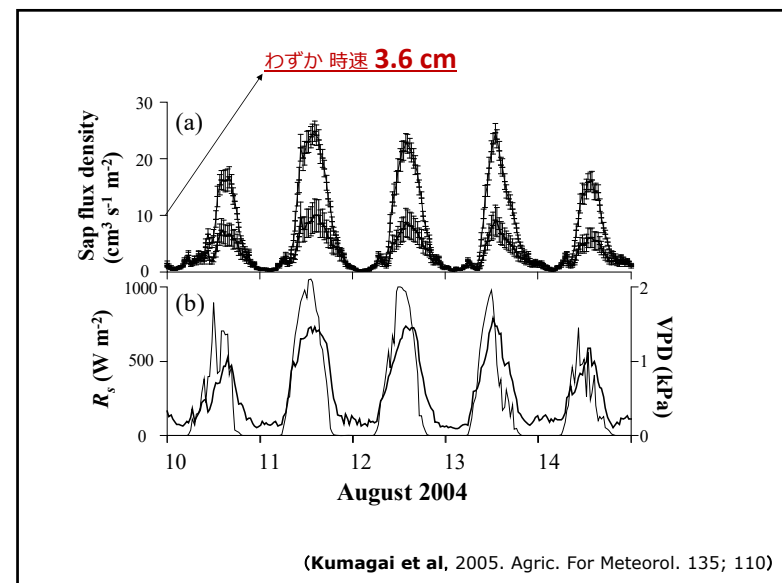
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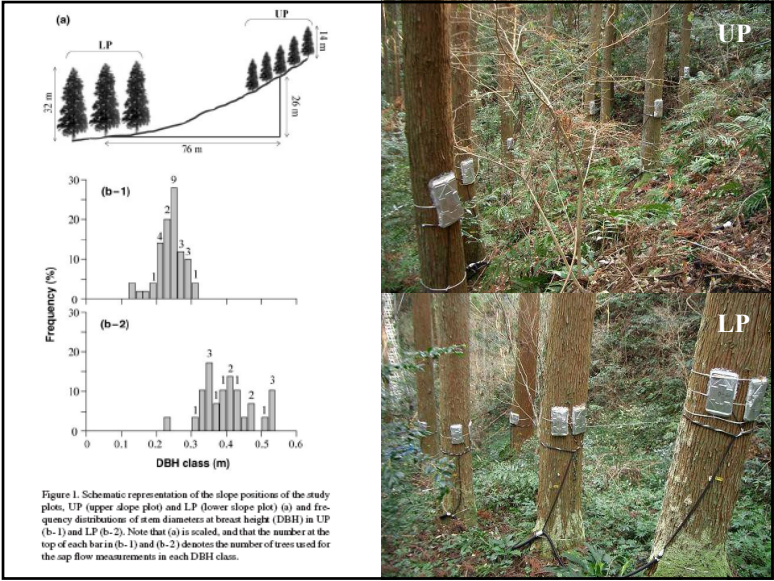
14



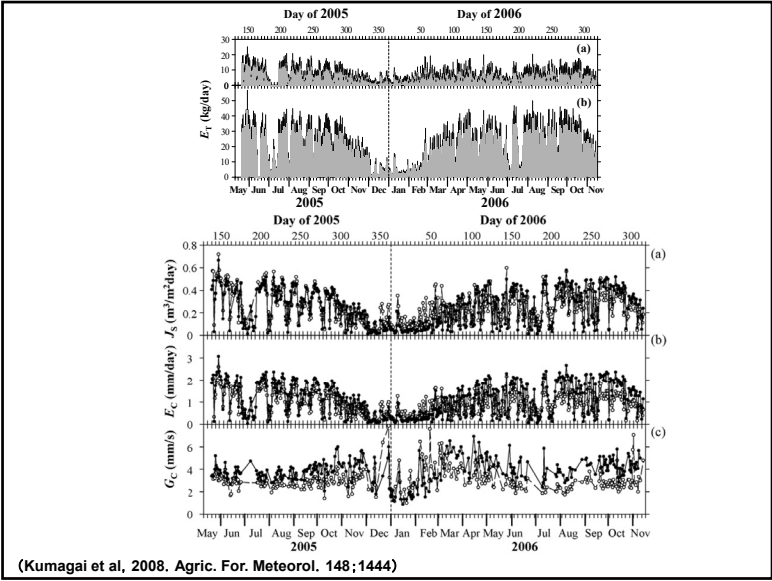
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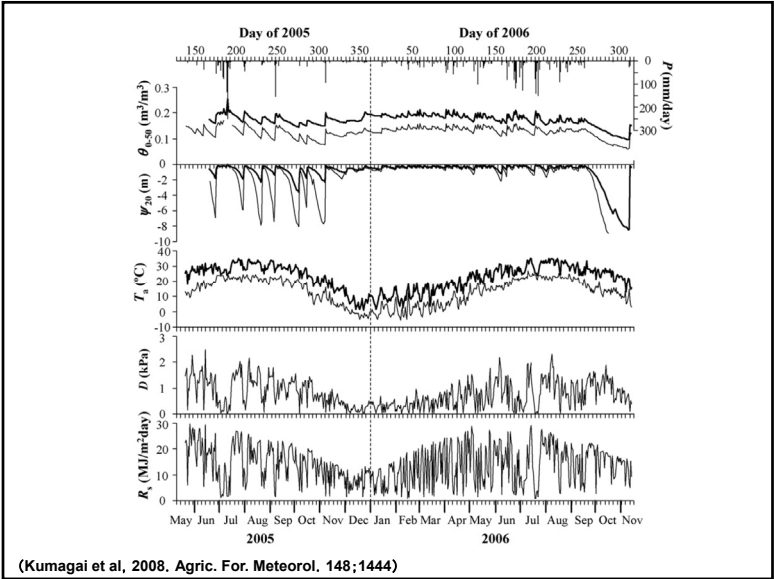
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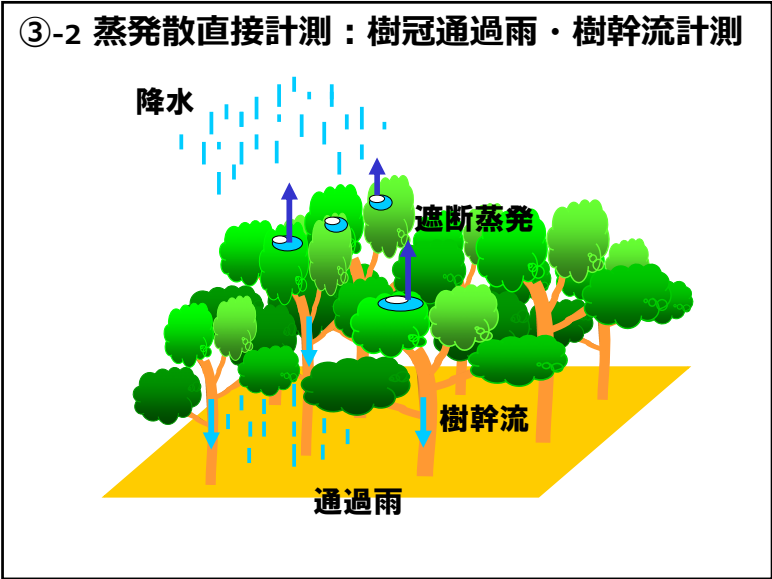
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18



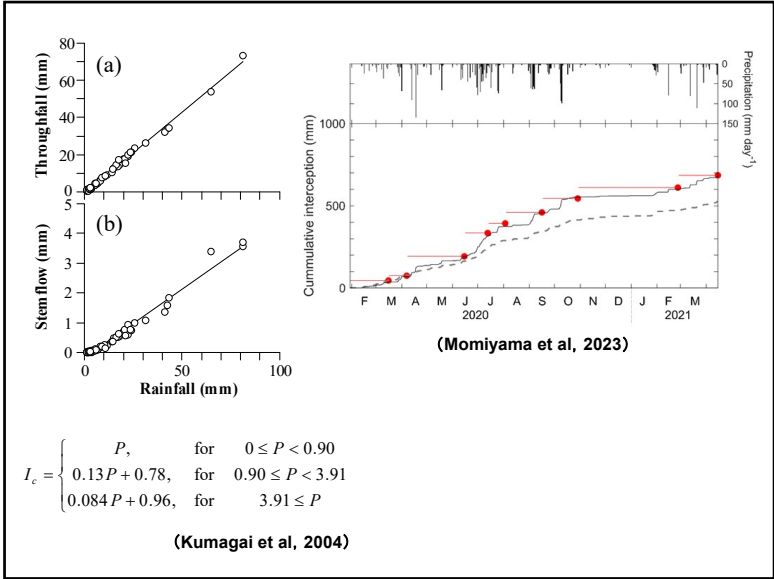
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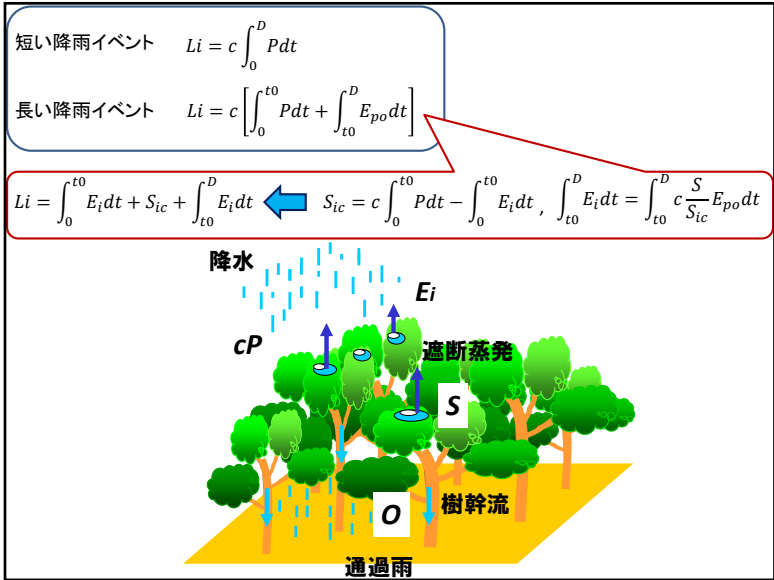
20



21



22



23