

Integrating German Iranian experience – Battle for water in Zayandeh River basin

Dr. Michael Kaltofen

Agenda

- Very short outline of the project
- Battle for water on the ground
- Battle for water in models
- Outlook

Project outline

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Federal Ministry
of Education
and Research

پروژه مدیریت یکپارچه رودخانه زاینده رود از سال 2010 ، با سرمایه گذاری وزارت علوم آلمان شروع به کار کرد و در قالب همکاری دوجانبه میان کنسرسیوم آلمانی متشکل از چندین شرکت متخصص در این زمینه و طرف ایرانی ادامه یافت.



Forschungszentrum Karlsruhe
in der Helmholtz-Gemeinschaft



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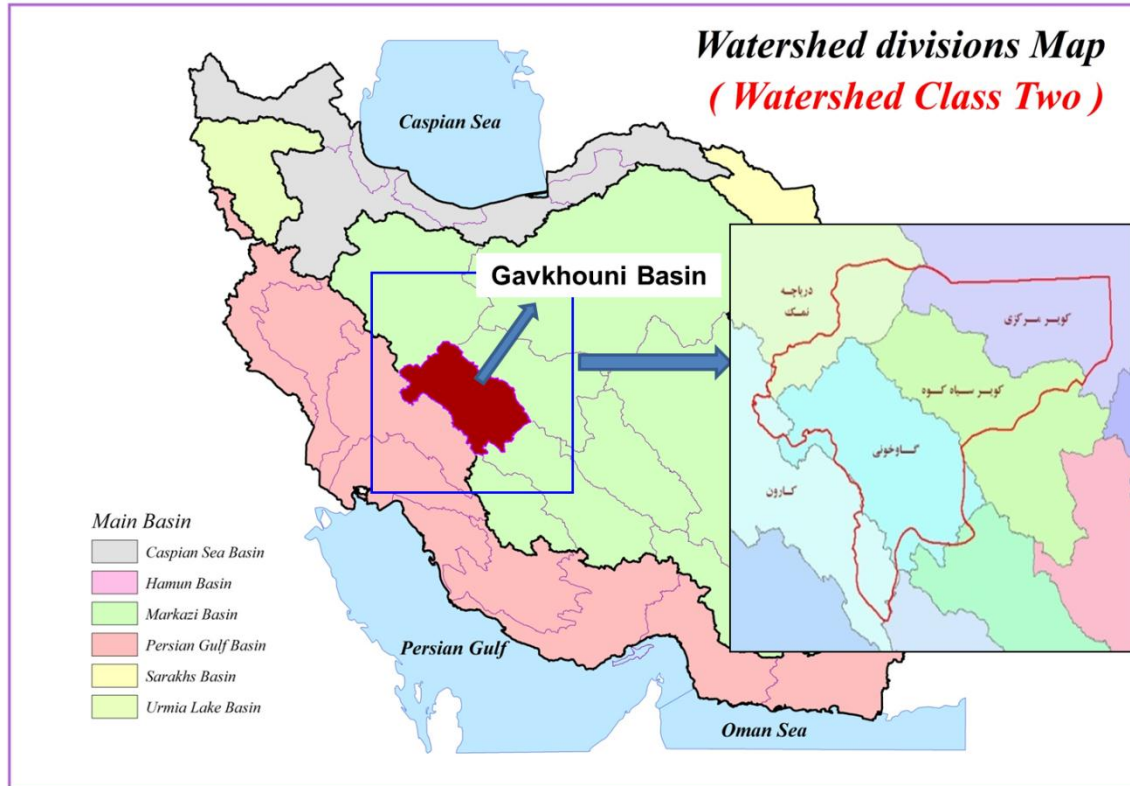
German Water
Partnership

Institut für
sozial-ökologische
Forschung (ISOE)

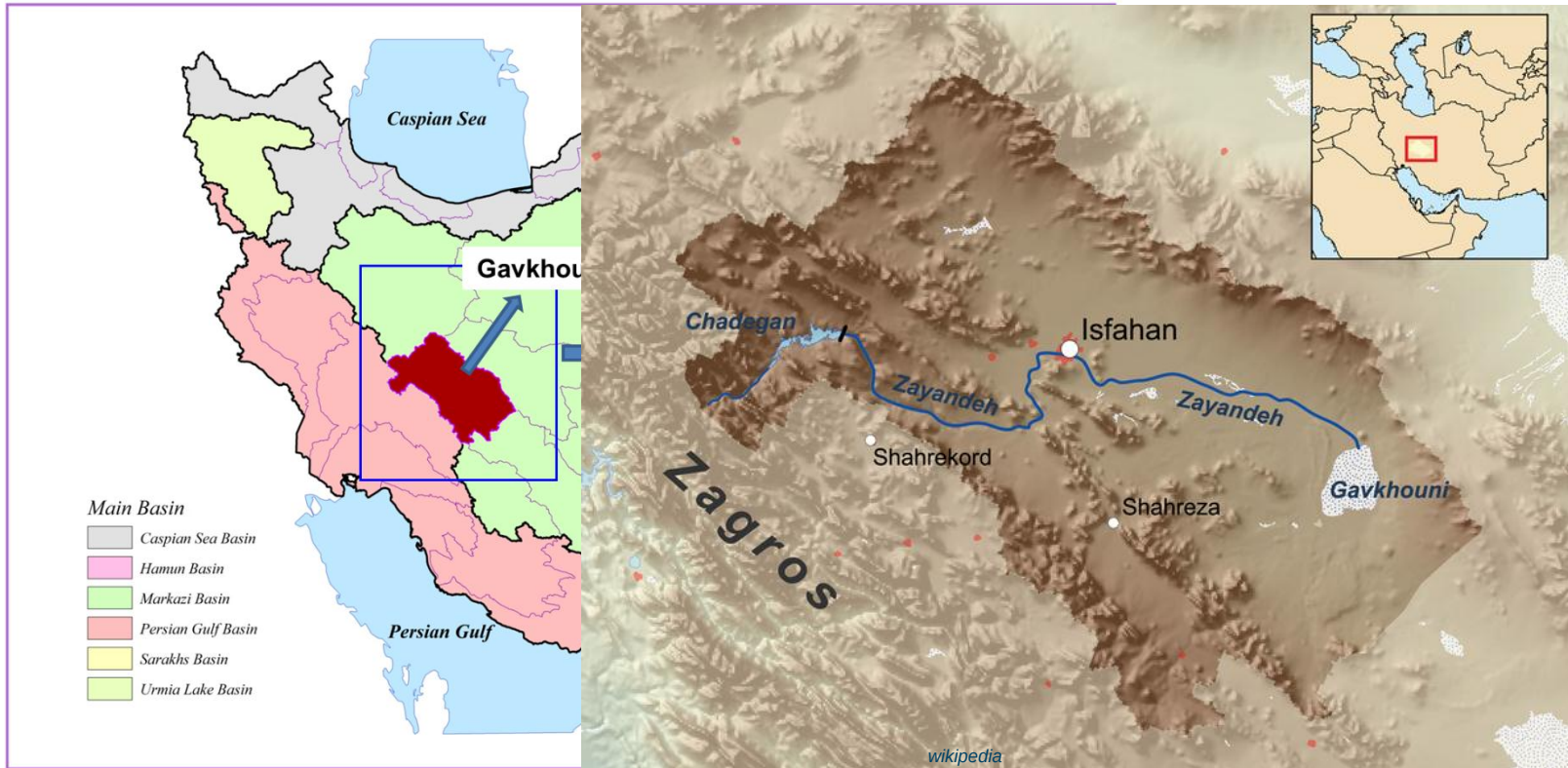


PASSAVANT ROEDIGER

Zayandeh river



Zayandeh river



Battle for water on the ground



Battle for water on the ground



Battle for water on the ground



Battle for water on the ground

1. Mobarakeh Steel Company
2. Esfahan Steel Company
3. Power Plant Islamabad
4. Isfahan Oil Refinery
5. Polyacryl Iran
6. Iran Refractory Products
7. Iran Telecommunication
8. Synthetic Fiber raw materials
9. Iran Spiral (pipes)
10. Pulp and Paper Industry Co. Atrac
11. Vegetable Oil Industry Golbahar News
12. Power Plant South
13. Saba Steel Resuscitation
14. Isfahan Sugar Co.
15. Sepahan cement Co.
16. 7 Tir Complex
17. Isfahan cement Co.
18. Shahid Montazeri Plant
19. Bafnaz Textile Co.
20. Sarooj Cement Co.
21. Baresh Co. (Textile)
22. Pars-faston wool complex
23. Hamedanian Textie Co.
24. Mobarakeh Industrial Zone
25. Moarchekhart Industrial Zone
26. Large North-Isfahan settlement
27. Najafabad Industrial Zone
28. Jey Industrial Zone

wikipedia

Battle for water on the ground



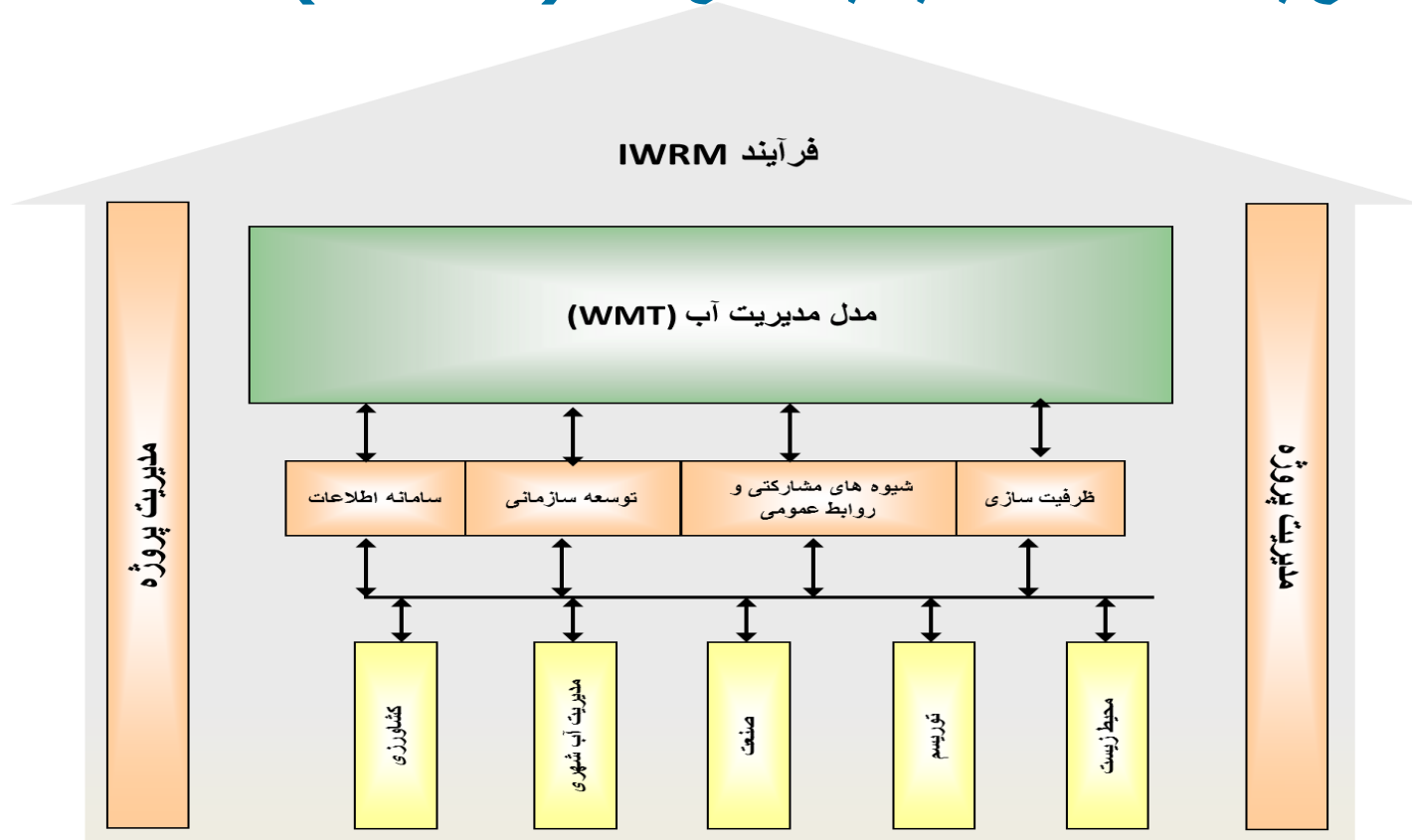
Battle for water on the ground



Battle for water on the ground



طرح پروژه مدیریت یکپارچه منابع آب (IWRM)



WMT مدل مدیریت یکپارچه منابع آبی

WMT

Mike Basin

Natural stream flow
(چرخه جریان های طبیعی)

Seepage/ Exfiltration
Zayandeh Rud River
(تبادل آب های سطحی و زیرزمینی)

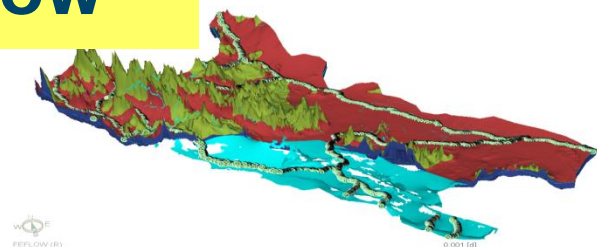
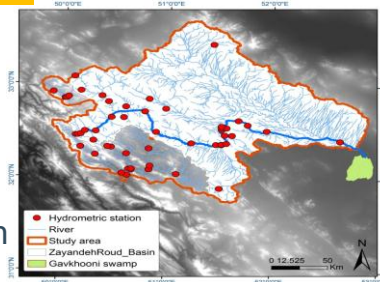
SWAT

Natural Groundwater
Recharge
(تغذیه طبیعی منابع آب زیرزمینی)

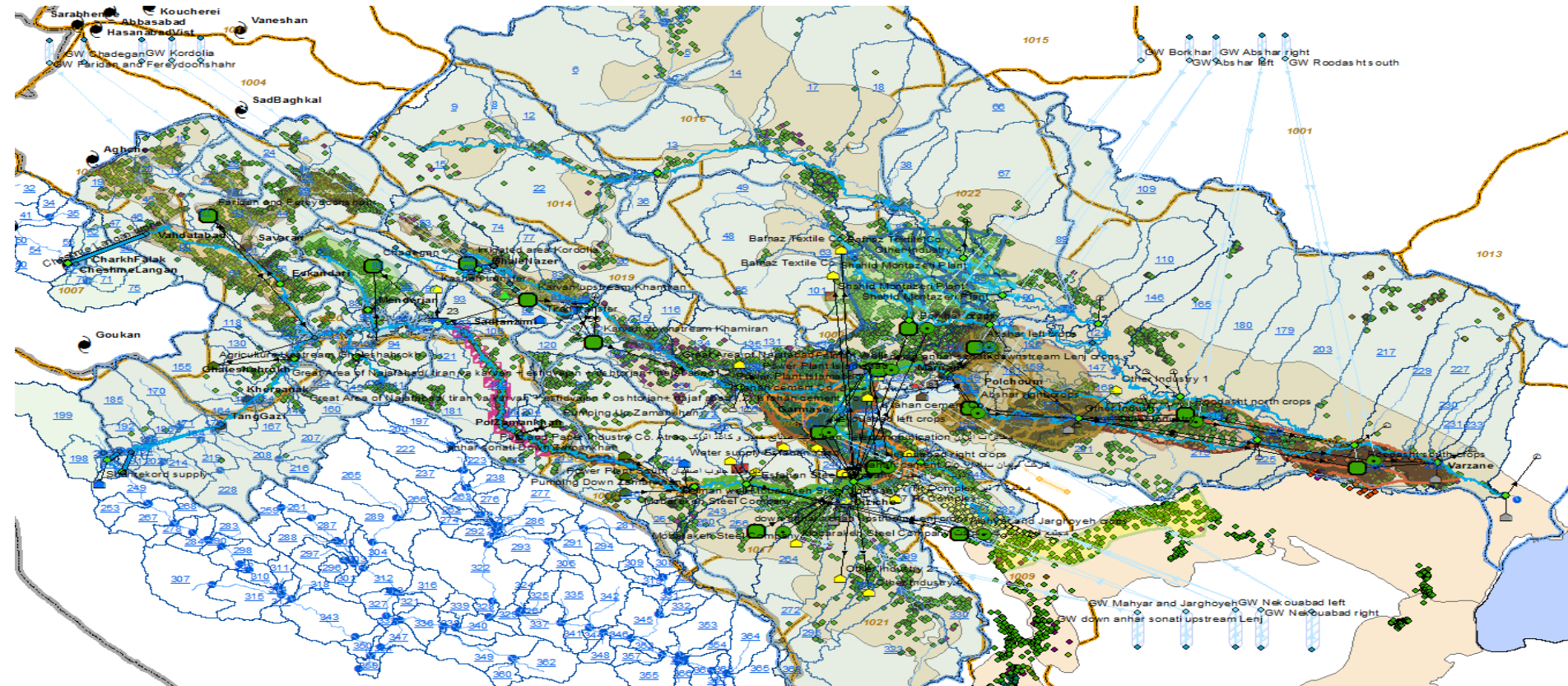
FEFLOW

Impacts on natural stream flow
(تأثیرات بر چرخه جریان های طبیعی)

**Regional climate
change**



Battle for water in the models

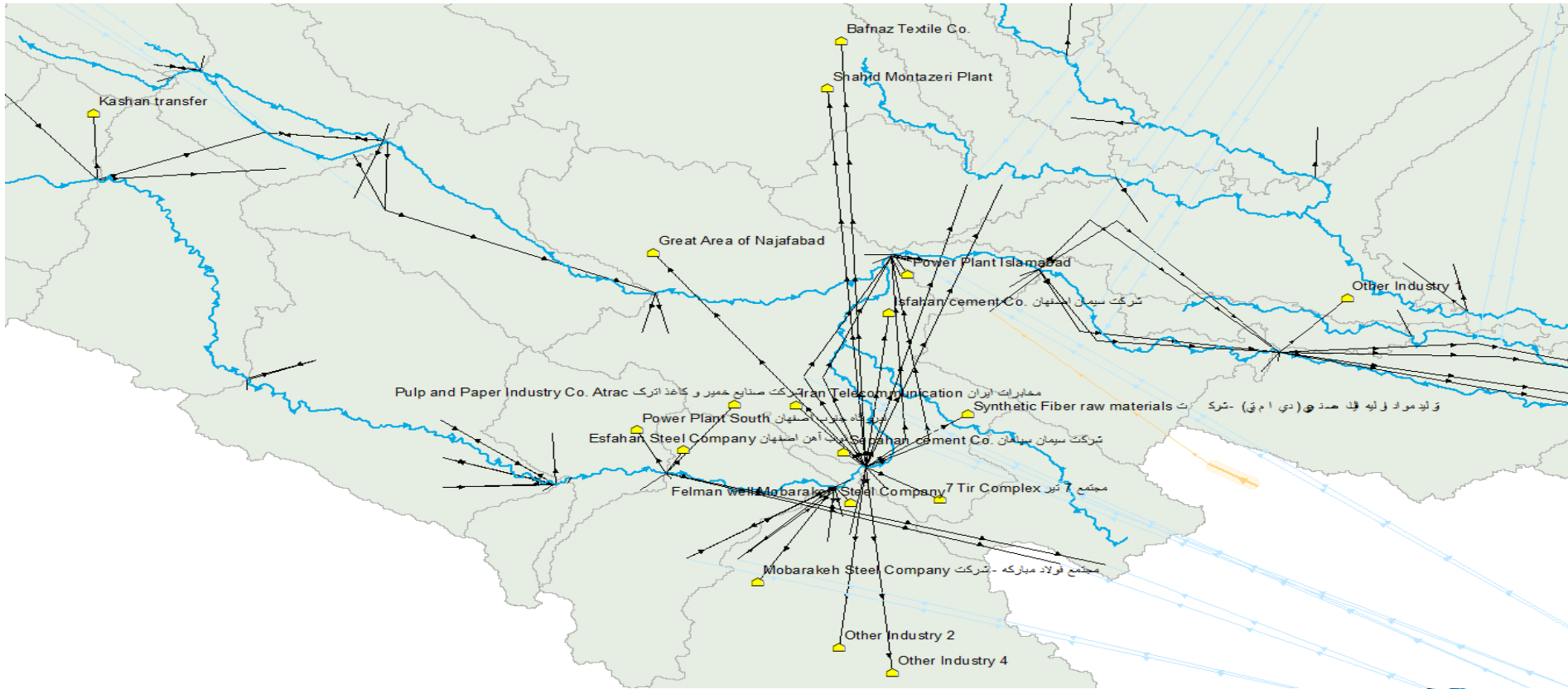


Overview

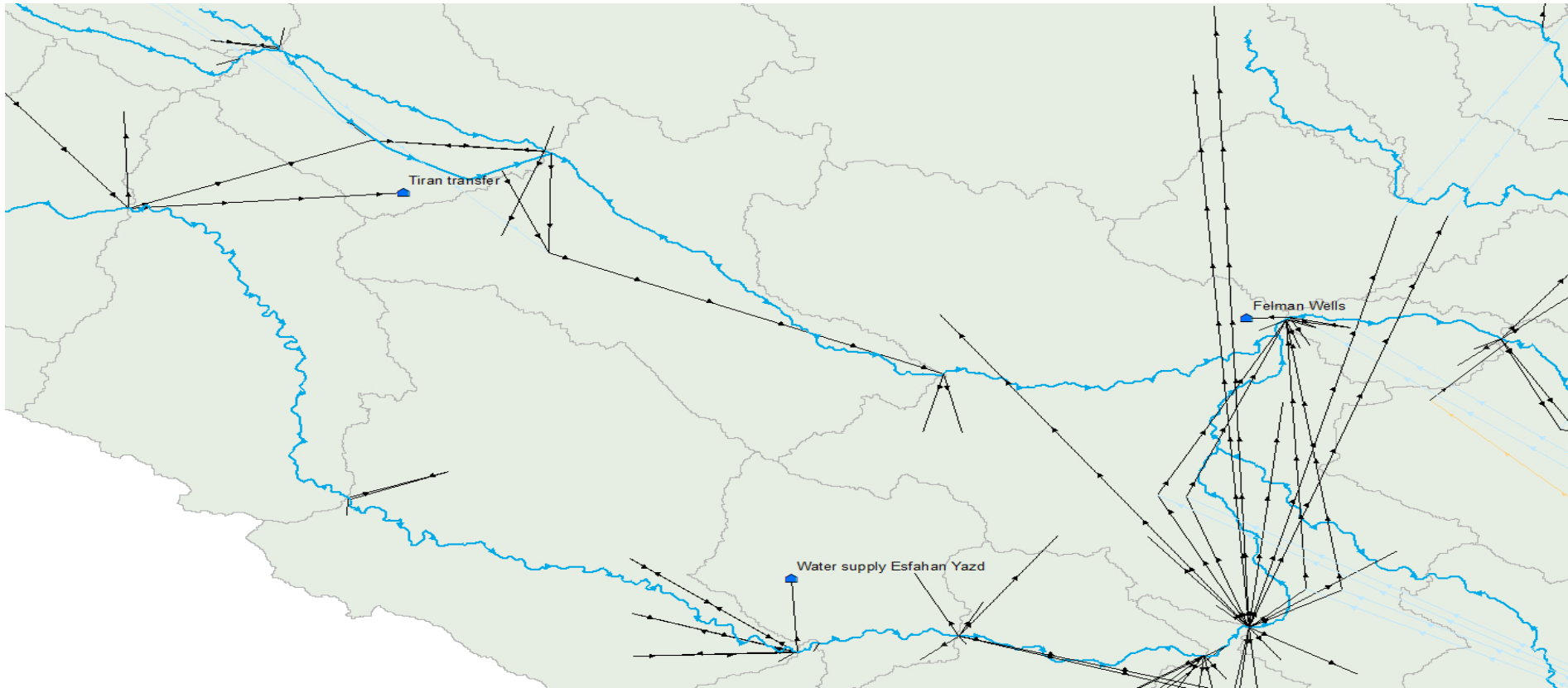
Overview



Battle for water in the models

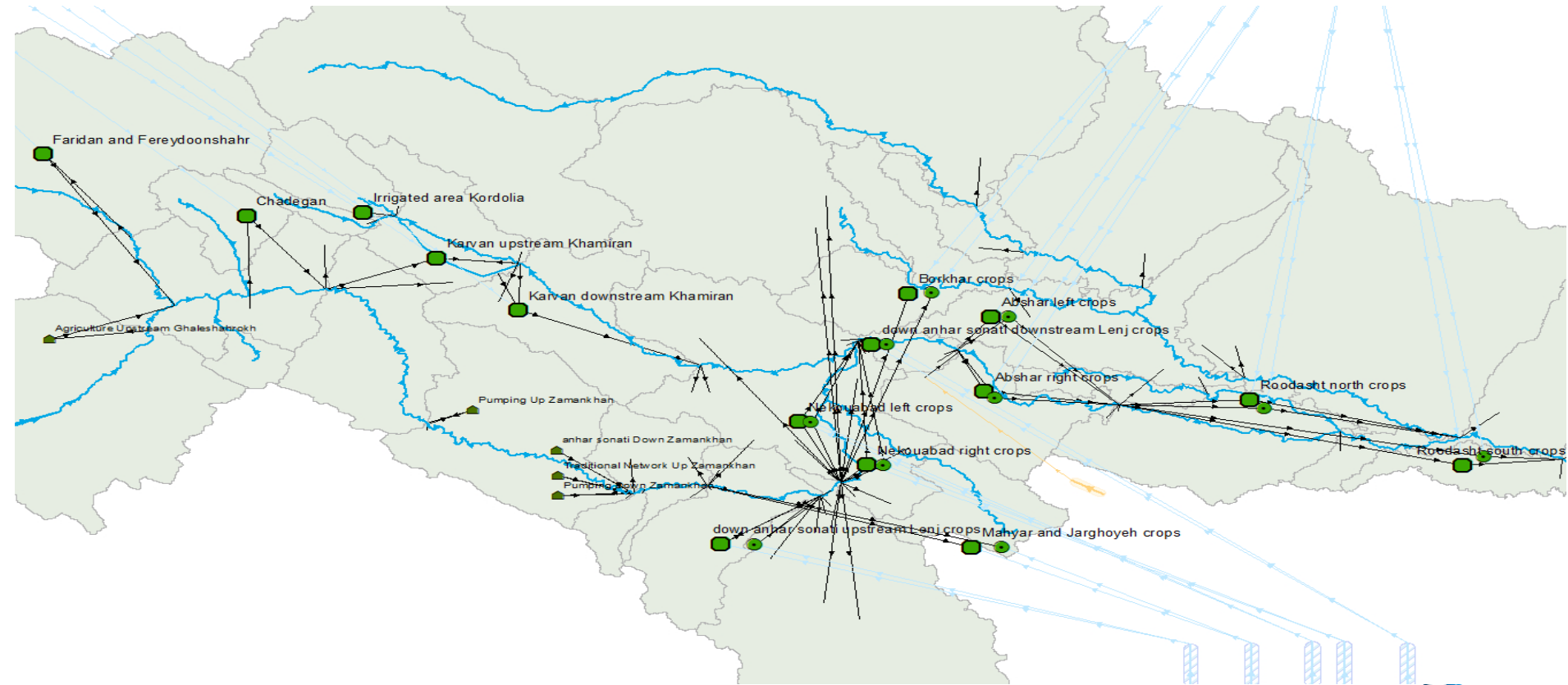


Battle for water in the models



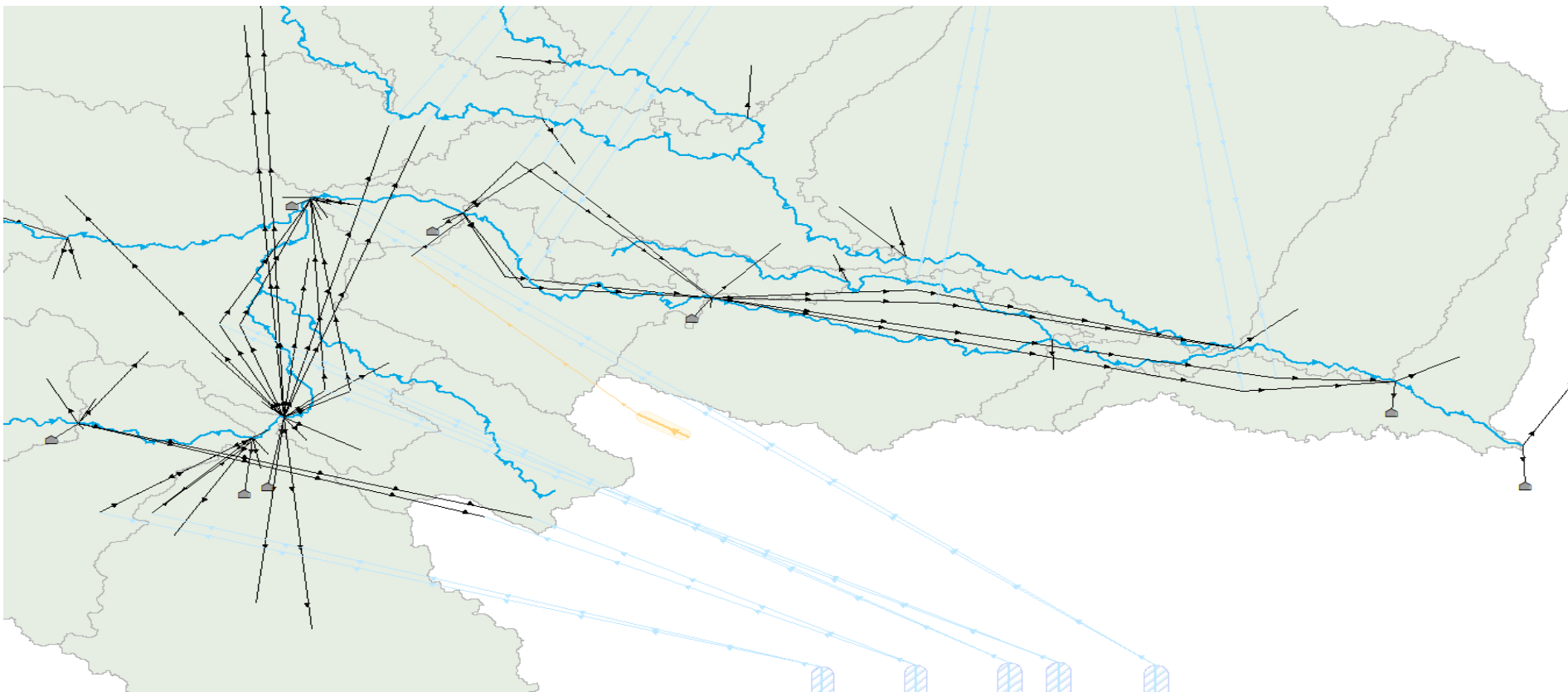
Municipal supply

Battle for water in the models



Agriculture

Battle for water in the models



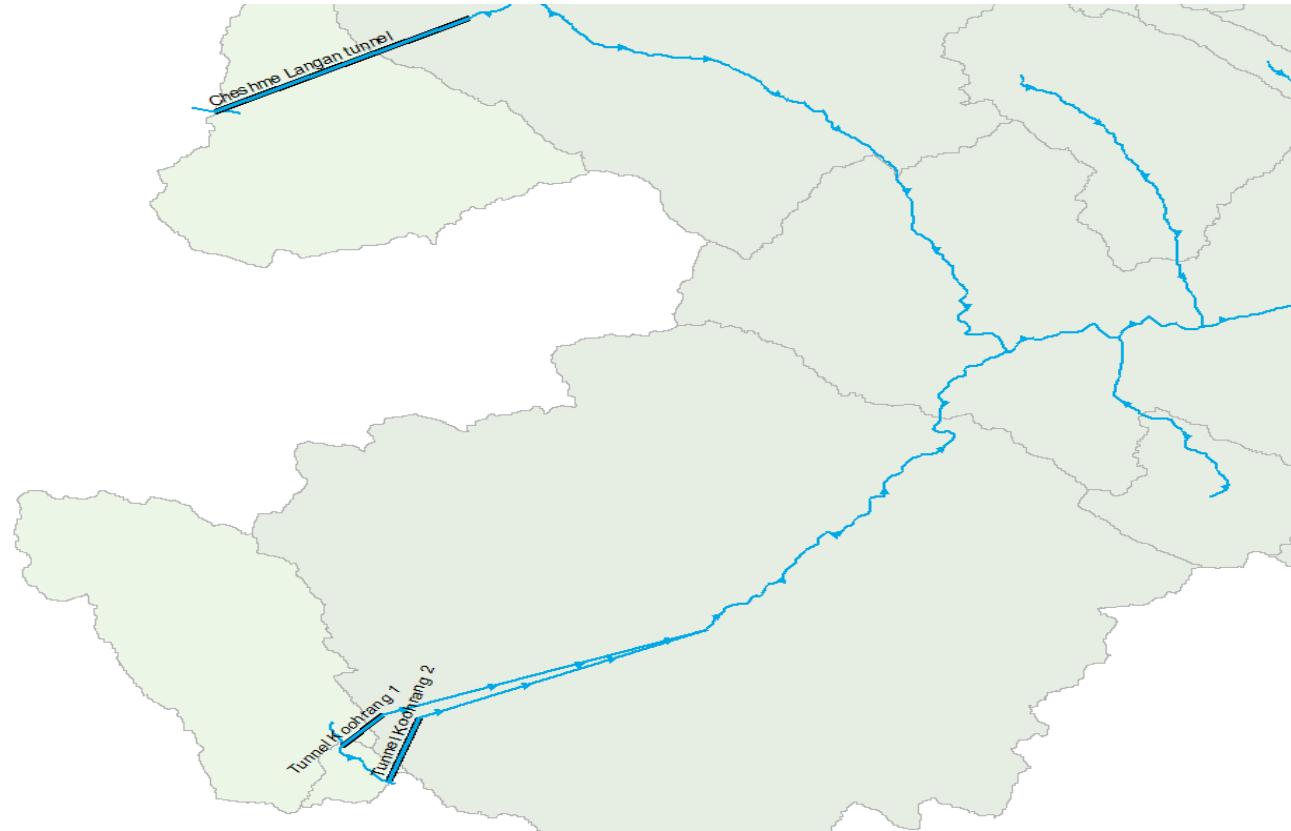
Percolation

Battle for water in the models



Reservoir

Battle for water in the models

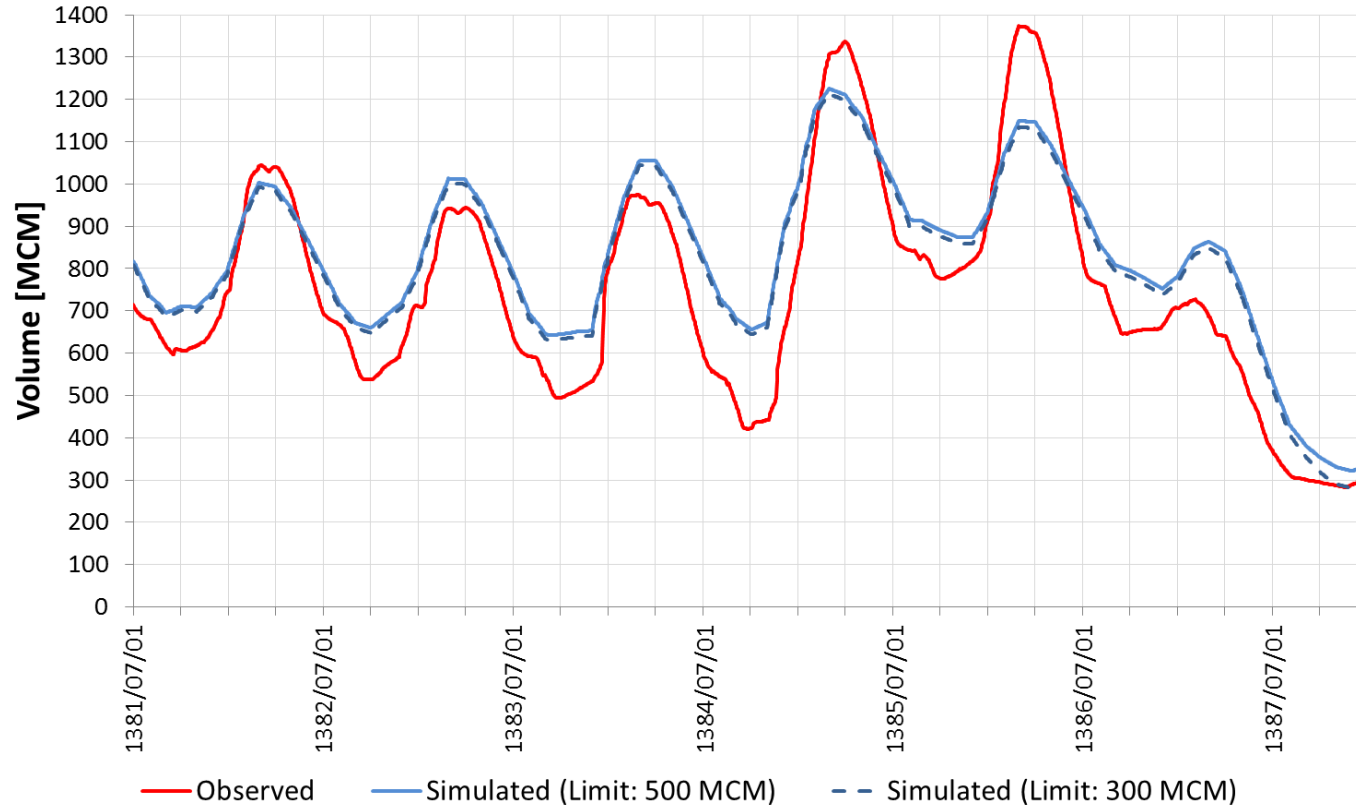


Transfer

Battle for water in models

Dam management

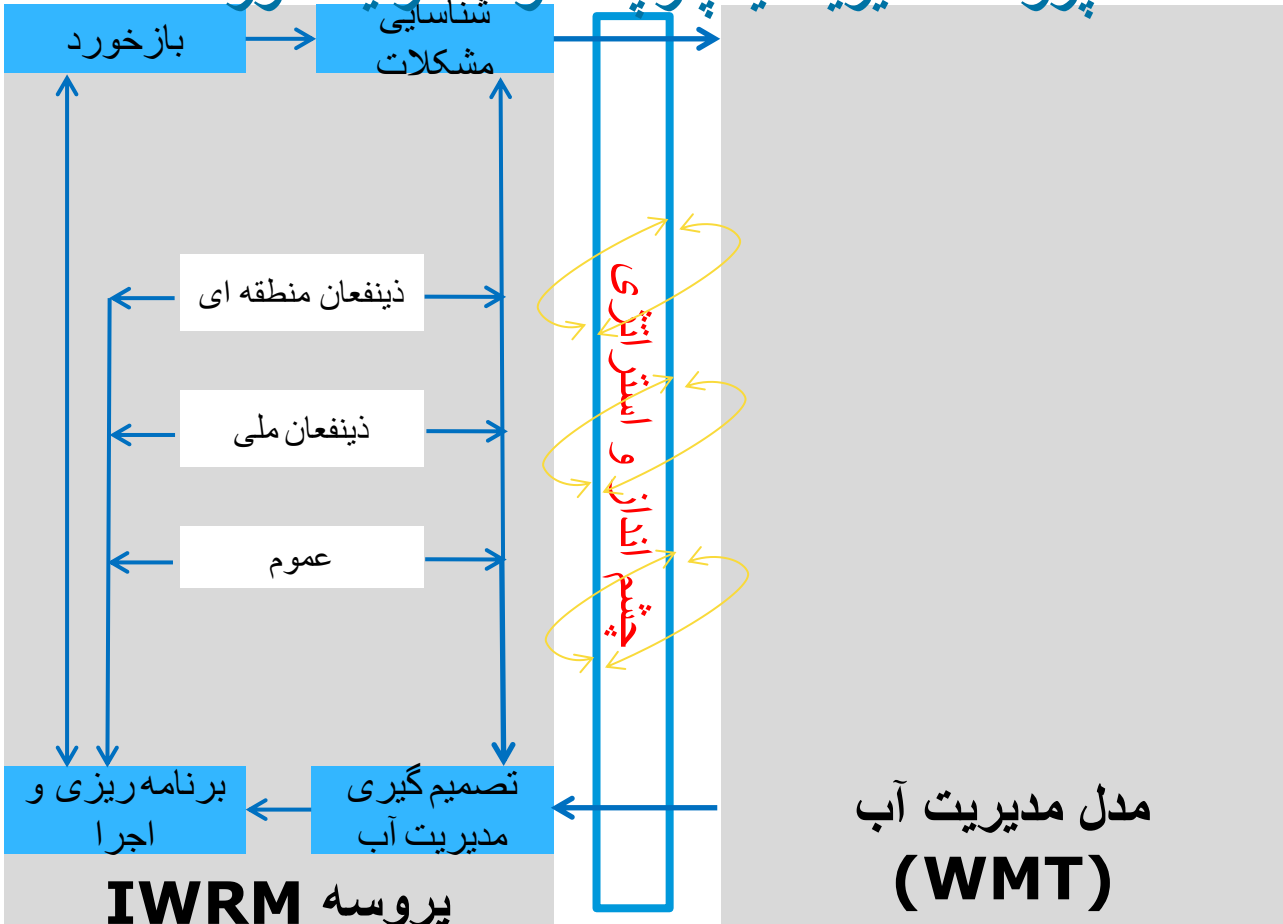
Volume of Zayandeh Rud dam



اولیت
۱- شرب ۸۵٪ - ۱۰۰٪
۲- صنعت ۱۵٪ - ۱۰۰٪
۳- باغ ۵۰٪ - ۱۰۰٪
۴- زراعت صفر - ۱۰۰٪

محدودیت
۱- سازهای سه
۲- حجم در آفرینش
(نگاه دساله و فیدال
به بیت سه
-

پروسه مدیریت یکپارچه حوضه زاینده ورد



مدیریت یکپارچه
رودخانه زاینده رود



IWRM
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For more information see <http://www.iwrm-isfahan.com>