



The statements made are based on subjective experience from me and my coach and are not scientifically proven.



Agenda

- Who I am?
- My beginnings
- Training principles / philosophy season planning
- Example from practice

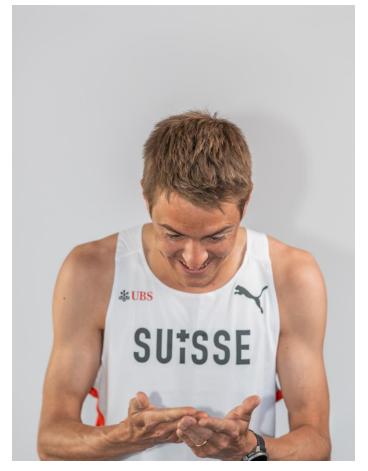
Who I am?

• Age: 34

Work: 40% Swiss railway company

- Orienteering:
 - 8x World champion
 - 9x European champion
 - 6x Overall world cup winner
- Athletics:
 - 3 days world record holder over 50km on the treadmill (2020)
 - 2.07.44 Marathon (April, 2024)
 - 30th place at the olympics in Paris in Marathon (August 2024)





My beginnings

- sporty family (hiking, climbing)
- Football
- Gymnastics
- Orienteering (13 years)



I am an allround endurance athlete

• 50km: 2h56min36sec (treadmill)

• 42.195km: 2h07min44sec (street)

• 31km, 2200 7, 1100 ∠: 2h36min (Trail, Sierre-Zinal)

• 16.6km, 530⊅: 1h33min (Orienteering, long)

• 10km: 29min54sec (street)

• 7km, 300 ⊅: 37min (Orienteering, middle)

• 5km: 14min16sec (track)

• **2.1km**: **7min10sec** (Orienteering, KO- Sprint)



Working with my coach

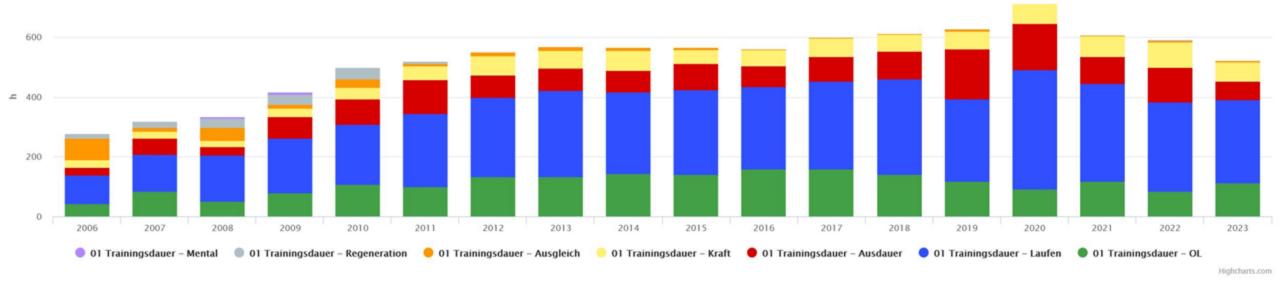
- National team coach
 - Personal advisor (same since 2003)
 - Dialogue and discussion
 - Season planning
 - Block planning
 - Daily planning

- Strength coach
- Athletics coach



Career planning principles

- Increase training volume by a maximum of 10 20 % / year
- Increase number of units before duration of units
- Increase volume before intensity



How much did I train effectively per week?

• Age 13-15: 3-5h per week

• Age 16: 6h per week

• Age 17: 7h per week

• Age 18: **8h per week -> train every day**

• Age 19: 9h per week

• Age 20:

10h per -> two trainings a day on some days.

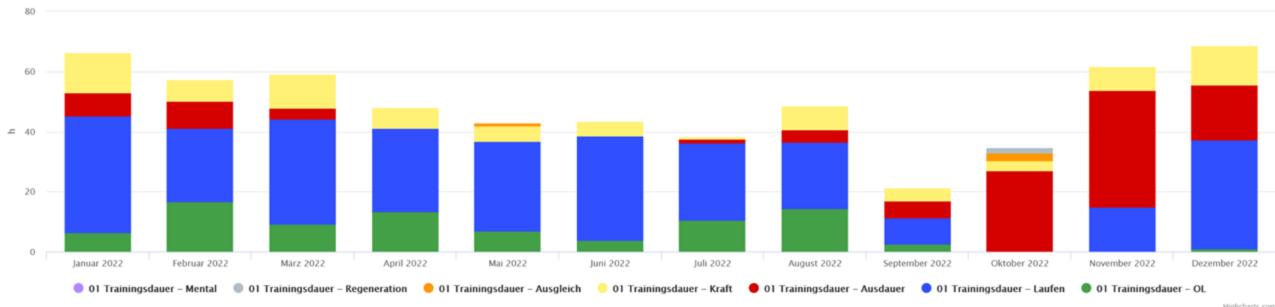
Career planning principles

- Running is central to orienteering
- You need to develop your speed as a teenager (track training!)
- No specialization (or as late as possible)



Orienteering season planning principles

- Basic period until March
- After that it will be "difficult" (too many competitions)!
- Consciously plan training periods and select specific competitions
- Block planning as a good tool: consider OLMU!

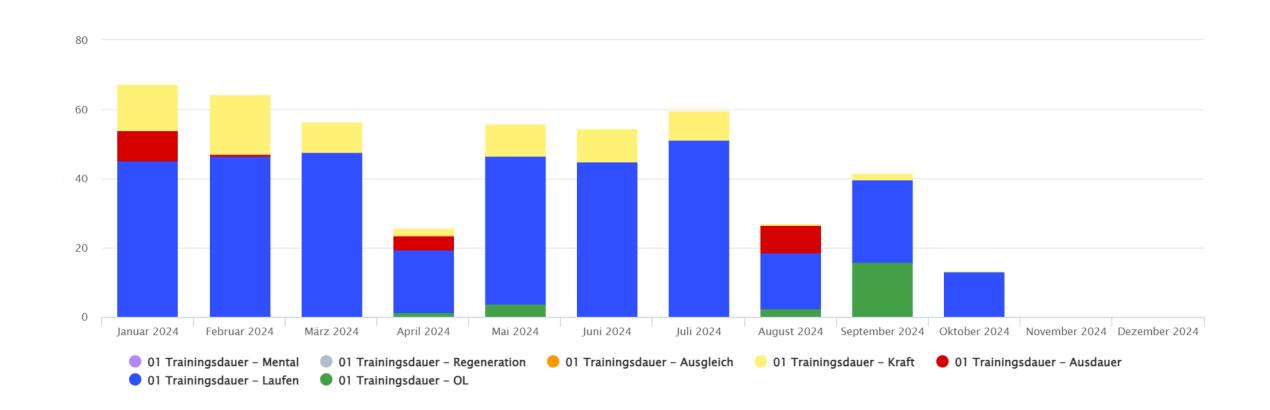


Orienteering season planning principles

- Basic period until March
- After that it will be "difficult" (too many competitions)!
- Consciously plan training phases and select specific competitions
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Marathon season planning principles



Block planning 2023 (part 1)

Until 9. February Physical basis (Achieve the same amount of running time as before injury)

9.-28. February: Back to the forest (map, motor skills)

March 1-April 16: Preparation for World Cup

April 17-May 1: Focus on top performance World Cup

May 2-May 22: Transition period

May 23-June 13: Altitude training camp

June 14-25: Last competitions

June 26-July 11: Fine tuning

July 11-16: World Championships

Training philosophy basic period

- 80% extensive / 20% intensive (but this is rarely achieved)
- Typically 3 intensive units spread over the week (alternative sub-threshold + threshold on the same day or motor blocks)
- Change of surface ("never" the same shoe twice in a row)
- Each training session has its "character" (e.g. flat asphalt or cross-country/trails with lots of climbing)



Training philosophy Basic period

- Running has priority over alternative training
- 2x strength training per week
- Foot gymnastics & stretching
- Weekly physio
- Sufficient sleep: 8 hours + training volume per day



Training philosophy preparation period

- 80% extensive / 20% intensive (more likely to be achieved)
- Typically 3-4 intensive sessions spread over the week (alternative sub-threshold + threshold on the same day)
- Training volume lower than in the basic phase
- As many training sessions as possible geared towards the requirements of the target competition



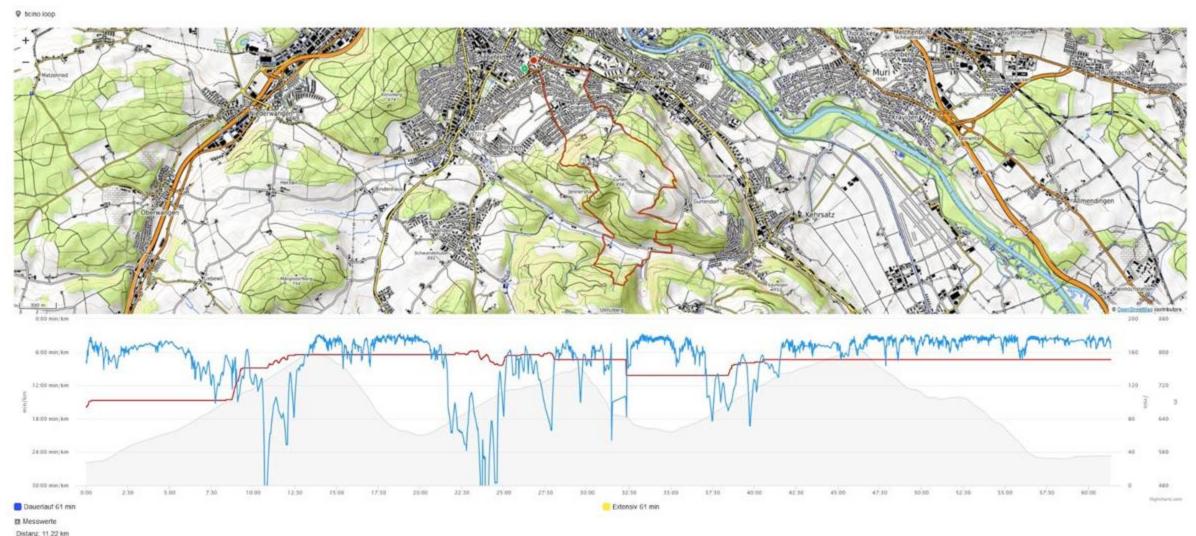
Training philosophy Preparation period

- No alternative training
- Core strength, foot gymnastics & stretching
- Weekly physio
- Sufficient sleep: 8 hours + training volume per day



Adaptation to requirements

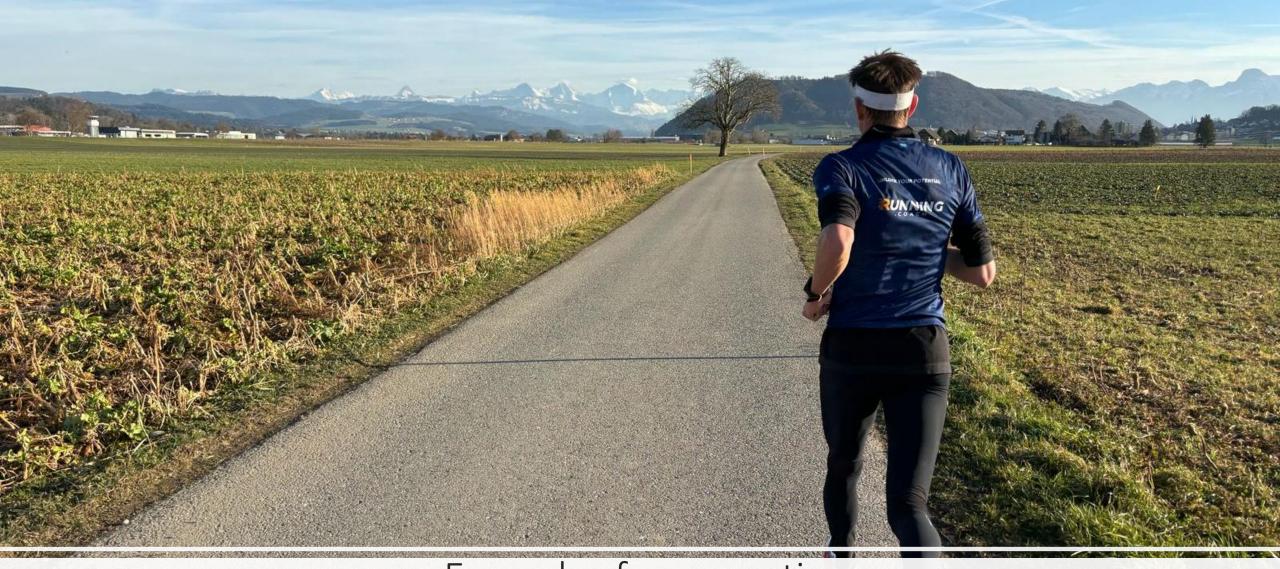
Steigung 637 m Durchschnitts-Pace 5:24 min/km



Training philosophy Competition period

- Training volume significantly lower than in the basic phase
- Tapering too early rather than too late
- Activation before competition (for orienteering)
- Rest as much as possible and don't get nervous if you are doing nothing (marathon)





Examples from practice

Basic endurance "Philosophy for orienteering"

- «old school» Basic endurance -> At the upper limit
- 2x 1h than 1x 2h
- Variety of terrain (flat, hills, off-road)
- Control the pace on flat terrain, on inclines by feeling
- Little volume on days I make a hard session

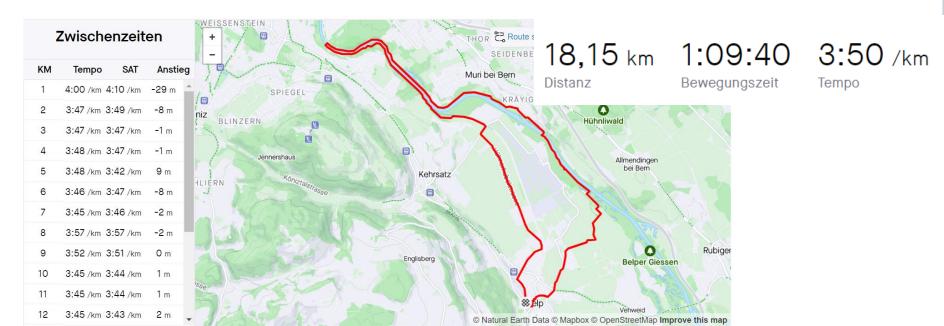


Basic endurance "Philosophy for marathon"

- Roughly 180-190 km
- Flat and on hard ground
- < 4min/km

Basic endurance - practical example

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Speed «Philosophy orienteering»

- 20-40min intensity per workout
- 3 fast units per week:
 - Track
 - Interval form
 - Speed endurance
- I train mostly at the limit and not treshold
- I want to train in groups
- I change the profile
- I change the surface



Speed - Practical examples Orienteering

Winter training

- 2*(300m, 100 jogging, 200m) 3' rest
 5' rest
 3*(1000m, 800m, 400m) 2' rest
 4' series break
 = 7.6km ~ 20min fast
- 6*4min hill, 2' rest
- Crescendo 30min
 3min30sec/km -> 3min00sec/km

Competition period

- 2*(200,100jogging,300)
 2rest, 4min SP,
 2*(300,100jogging,200) 2P`, 4min SP,
 1*(400, 300, 150) 1.15 rest
 Pace: 2min30sec/km
- 5*2min flat, 90sec rest
- 4*4min, 2min rest

Speed «Philosophy marathon»

- 3 hard sessions per week
 - Longrun (30-38km)
 - Threshold training (1'/1')
 - Interval (3*(3km,2km,1km))

New stimuli «Motorenblock»

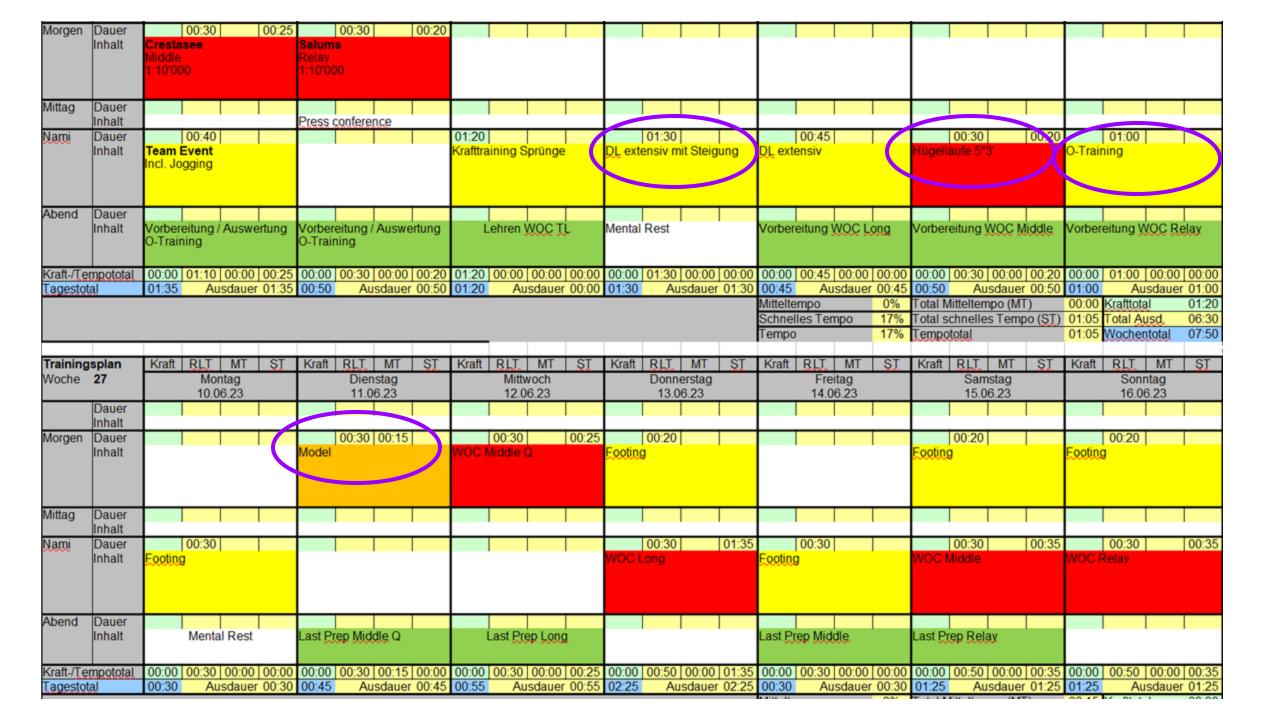
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Donnerstag	15km DL 1	10km Footing			25
Freitag	18km DL 1				18
Samstag	15km DL 1	10km Footing anschliessend 30' RumpfStabi			25
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Strength Philosophy (orienteering + marathon)

- Injury prevention
- Leg strength with weights only plays a central role for me in winter
- Jumps, core strength, foot gymnastics throughout the year
- Strength not on the same day as intensive endurance units
- Strength^2



Strength – Practical examples

- Warm up (jogging)
- Sprints
- Stair jumps (2*12*15)
- 3 series of strength exercises with core and jumps
- Sprints

- Warm up
- Agility course with jumps and sprints
- 3 series of strength exercises followed by jumps

- Warm up (floorball)
- Hurdle jumps
- 3 series of strength exercises followed by jumps

- Core strength
- Jumps
- 3 series of strength exercises followed by jumps
- Stair sprints

Alternative endurance «philosophy orienteering»

- As much running as possible
 - Fast sessions by foot
 - More alternative hours in winter time
- Biking, road cycling, spinning, crosscountry skiing in winter, rarely aqua jogging
- Support the strength component
- Enjoy training



Alternative endurance Philosophy marathon

- Run as much as possible
 - Otherwise take a day off!



Recovery - Philosophy

- Not "finished" after training
 - Get changed immediately
 - Drink and eat immediately
- No fancy "toys"
- Physio
- Stretching
- At least 9 hours of sleep
- Training break at the end of the year (3-4 weeks depending on my mood)



Recovery - Practical examples

- Mental recovery is just as important as physical recovery!
 - -> Switch off from sport (work, hobby)
- "1 hour on the sofa with a chocolate bar beats any massage"



Take home message

- 1. Priority number 1 is to stay injury-free!-> Continuity in training
- "Old school": lots of basic endurance in "high speed"!
- 3. The mix and the timing of training units (duration, effort) is crucial, not the individual unit.

