

Inženirska Akademije Slovenije

Knjižna predstavitev članov akademije

**Napotki za pripravo slik in
njihovih spremljajočih opisov**

Primeri za almanah ustreznih slik

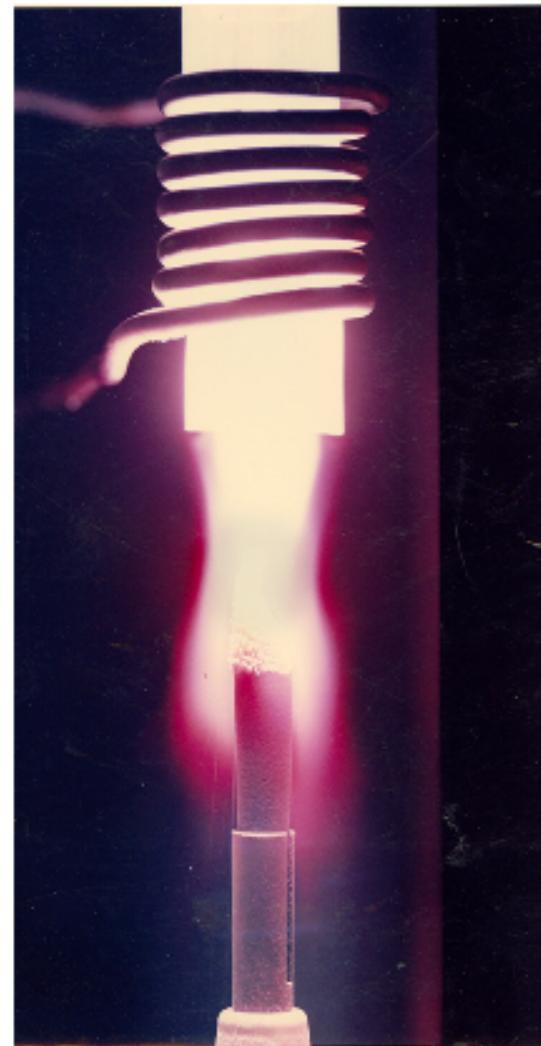
- fotografije opreme, ki ste jo razvili
- slike z zgodovinskimi objekti, h katerim razvoju ste prispevali
- fotografije poskusov, spojin, mikroskopske fotografije celic, tkiv, rastil, česarkoli, kar je bilo pomembno pri vašem delu.

Lepa primera slike in njenega opisa sta na naslednjih straneh. sledita še dva primera za naš almanah primernih fotografij.

Opisi slik naj bodo razumljivi širši publiko, in naj bodo spisani poljudno, kot bi slike na primer poslali v dnevni časopis, in ne v znanstveno revijo.

Pošiljanje slike (zapis, datoteka)

- Slike, ki jih pošljete, naj bodo shranjene v datotekah tipa JPG ali PNG ali TIFF v resoluciji vsaj 1024 x 768.
- Ne pošiljajte slike tako, da jih vključite v datoteke tipa Word ali PowerPoint, saj tam izgubijo na ločljivosti.
- V almanahu je pri vsakem od članov IAS prostora za eno samo sliko.



Gojenje rubinskega kristala na IJS leta 1963. Skozi plazmo visoko-frekvenčnega razelektrrena v kremenčevi cevi znotraj tuljave padajo zrnca aluminijevega in kromovega oksida. Pri tem se stopijo in ustvarijo na konici pod cevjo tekočo plast v kateri raste kristal rubina.

Growing of ruby crystal at the Joseph Stefan Institute in the year 1963. Grains of silicon and chromium oxide are falling through the plasma of high-frequency discharge in the silicon tube inside the coil. They are melted and form on top of the support a liquid layer in which the ruby crystal grows.



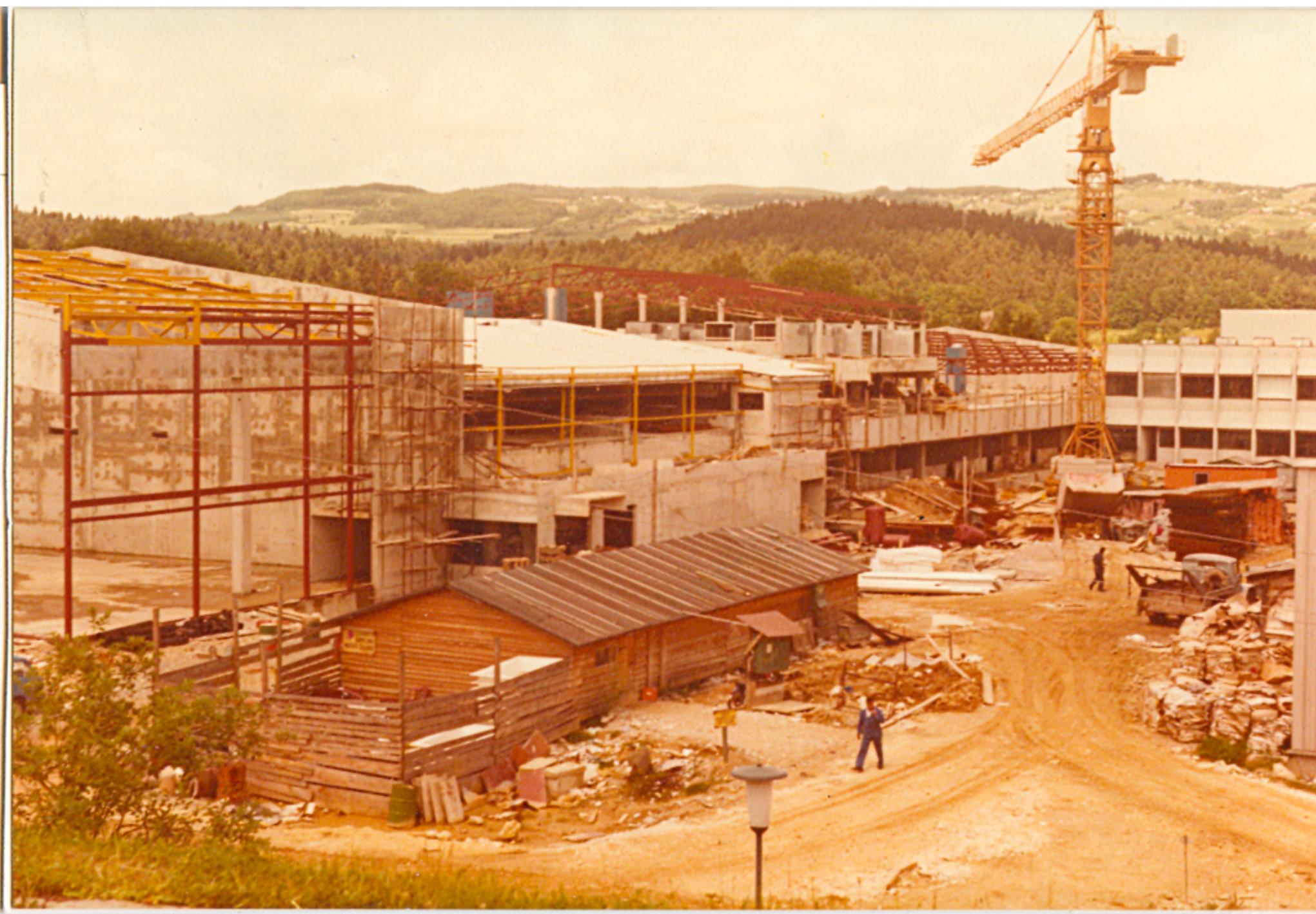
Spastičnost v ekstenzorjih in fleksorjih kolena merimo, medtem ko bolnik leži na hrbtnu na mizi za testiranje. Terapevt dvigne noge v horizontalni položaj. Potem noge izpusti, da prosto zaniha. Ob tem merimo kot v kolenu (goniogram) in elektromiografski signal (EMG) ekstenzorjev kolena.

During the pendulum test, the knee joint angle was assessed with a double parallelogram goniometer. The paper describing the development of a measuring device for assessment of spasticity by the use of the pendulum test is after more than thirty years still widely cited.

Izbrana dela | Important Works

T. Bajd, A. Kralj, and R. Turk (1982) Standing-up of a healthy subject and a paraplegic patient. *J. Biomechanics* 15(1):1-10.

T. Bajd and L. Vodovnik (1984) Pendulum testing of spasticity. *J. Biomed. Eng.* 6:9-16.



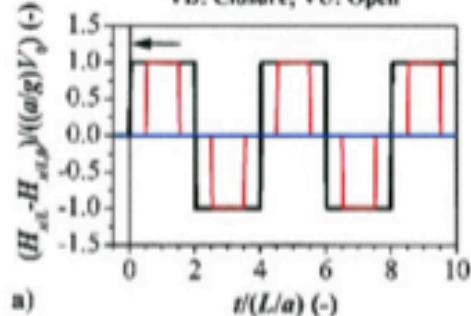


Primeri za almanah neustreznih slik

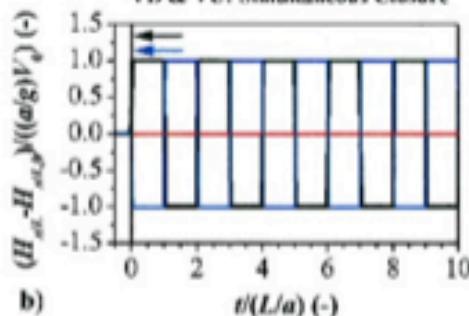
- diagrami
- slike, ki vključujejo besedila
- grafi in znanstveni prikazi rezultatov

Almanah ni znanstvena publikacija, slike s shemami, diagrami in težje razložljivimi matematičnimi koncepti niso primerne.

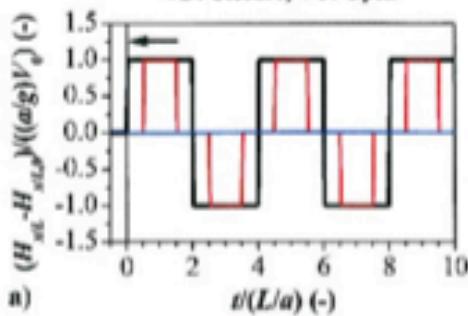
— at valve VD: $x/L = 1$ — at midpoint: $x/L = 1/2$ — at valve VU: $x/L = 0$
 VD: Closure; VU: Open



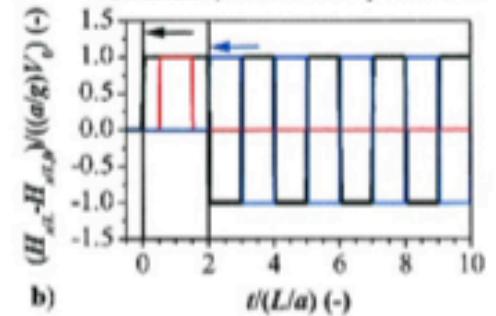
VD & VU: Simultaneous Closure



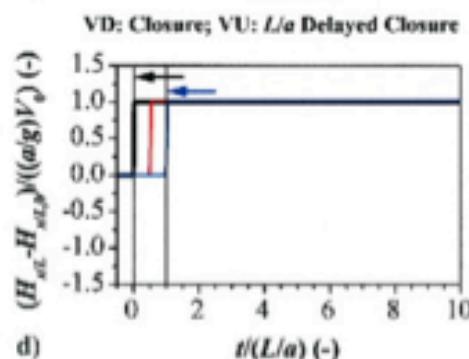
— at valve VD: $x/L = 1$ — at midpoint: $x/L = 1/2$ — at valve VU: $x/L = 0$
 VD: Closure; VU: Open



VD: Closure; VU: 2L/a Delayed Closure



VD: Closure; VU: L/a Delayed Closure



VD: Closure; VU: 0.5L/a Delayed Closure



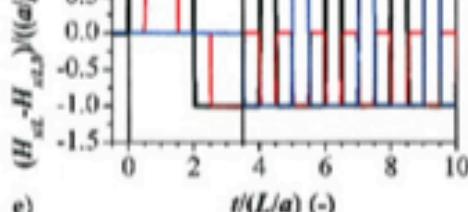
VD: Closure; VU: 1.5L/a Delayed Closure



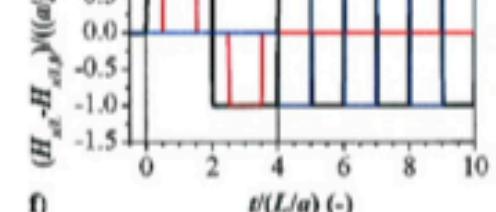
VD: Closure; VU: 2L/a Delayed Closure



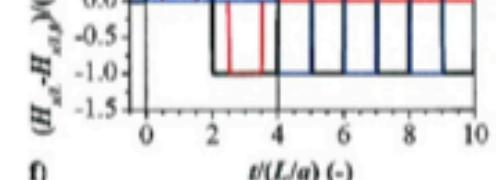
VD: Closure; VU: 3L/a Delayed Closure

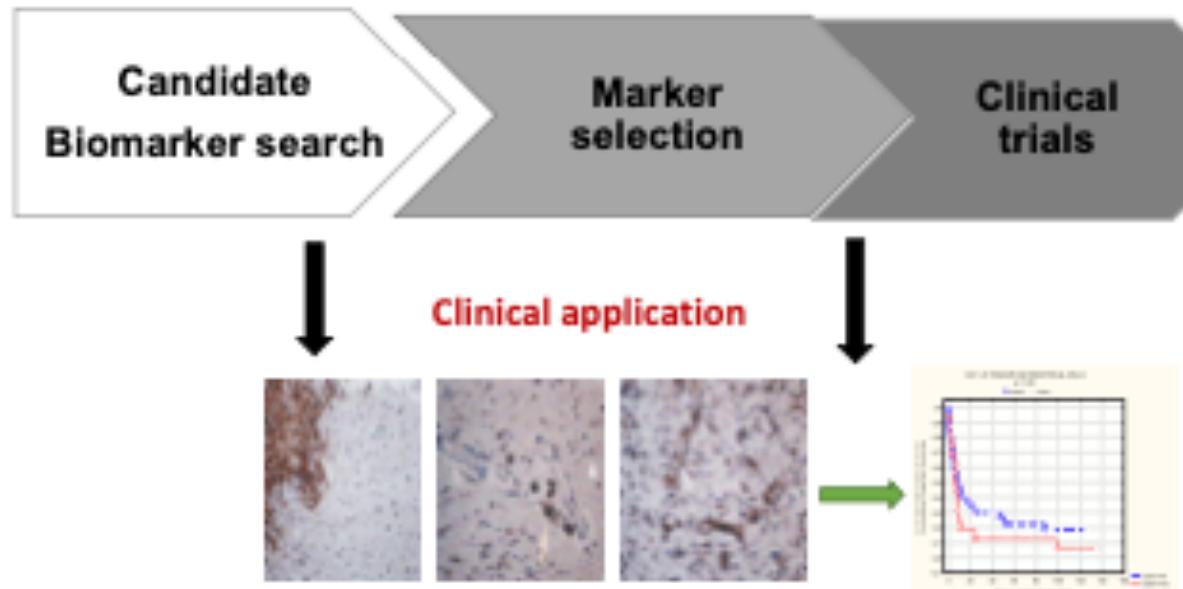
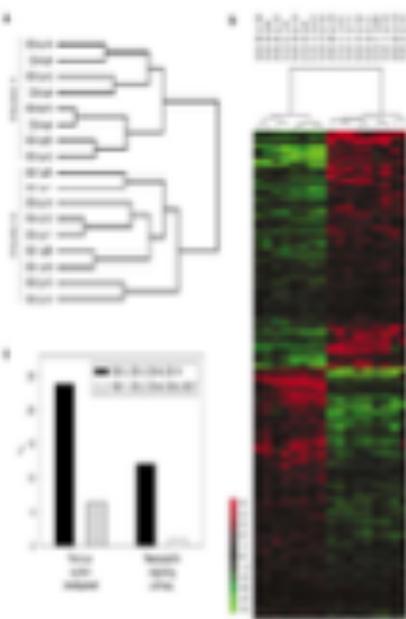


VD: Closure; VU: 3.5L/a Delayed Closure



VD: Closure; VU: 4L/a Delayed Closure





Commercialization of personalised predictive markers – interest pharma industry!

Bioinformatics & Biotechnology

Validation : 3D cells technologies, nanomaterials, etc

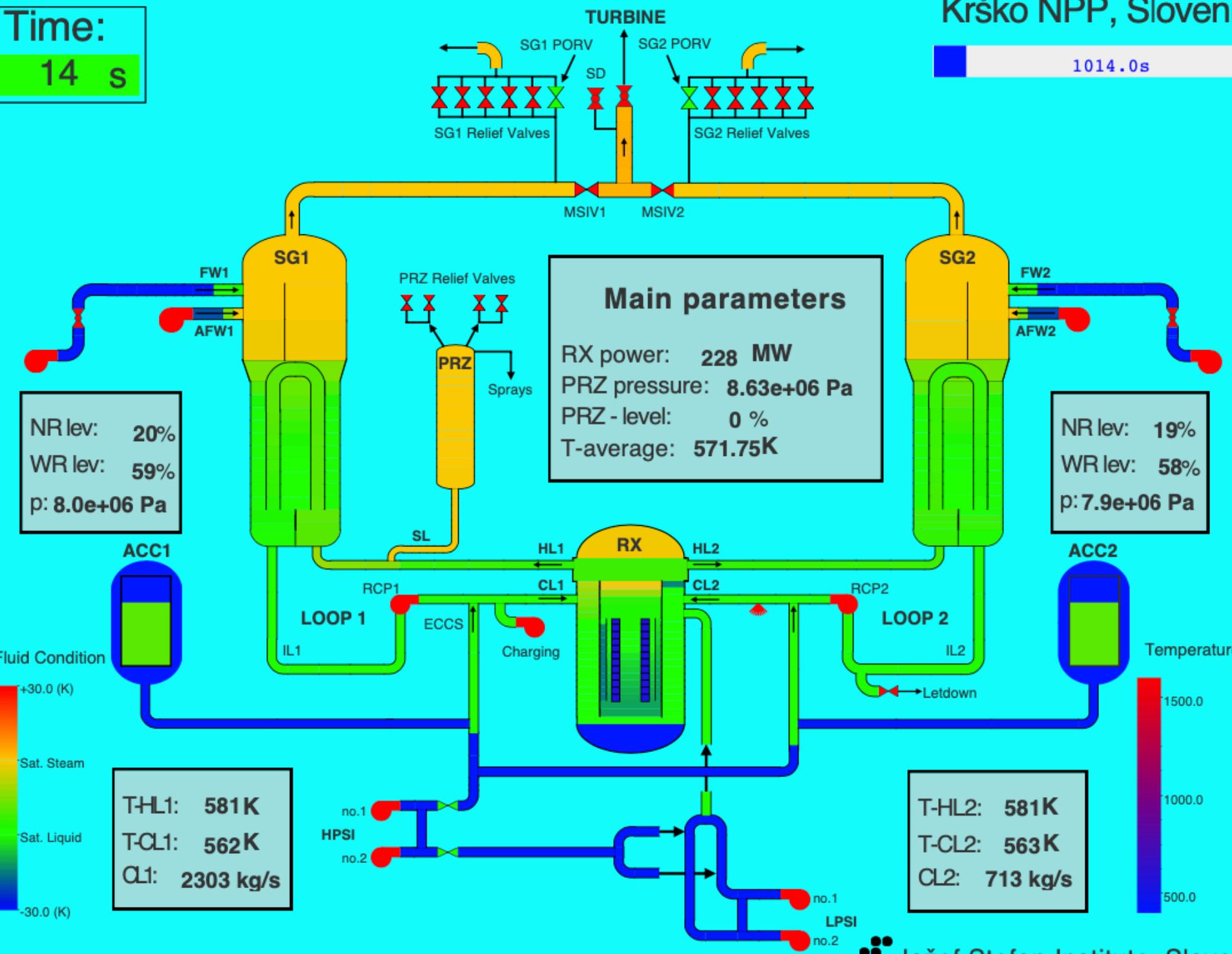


Time:

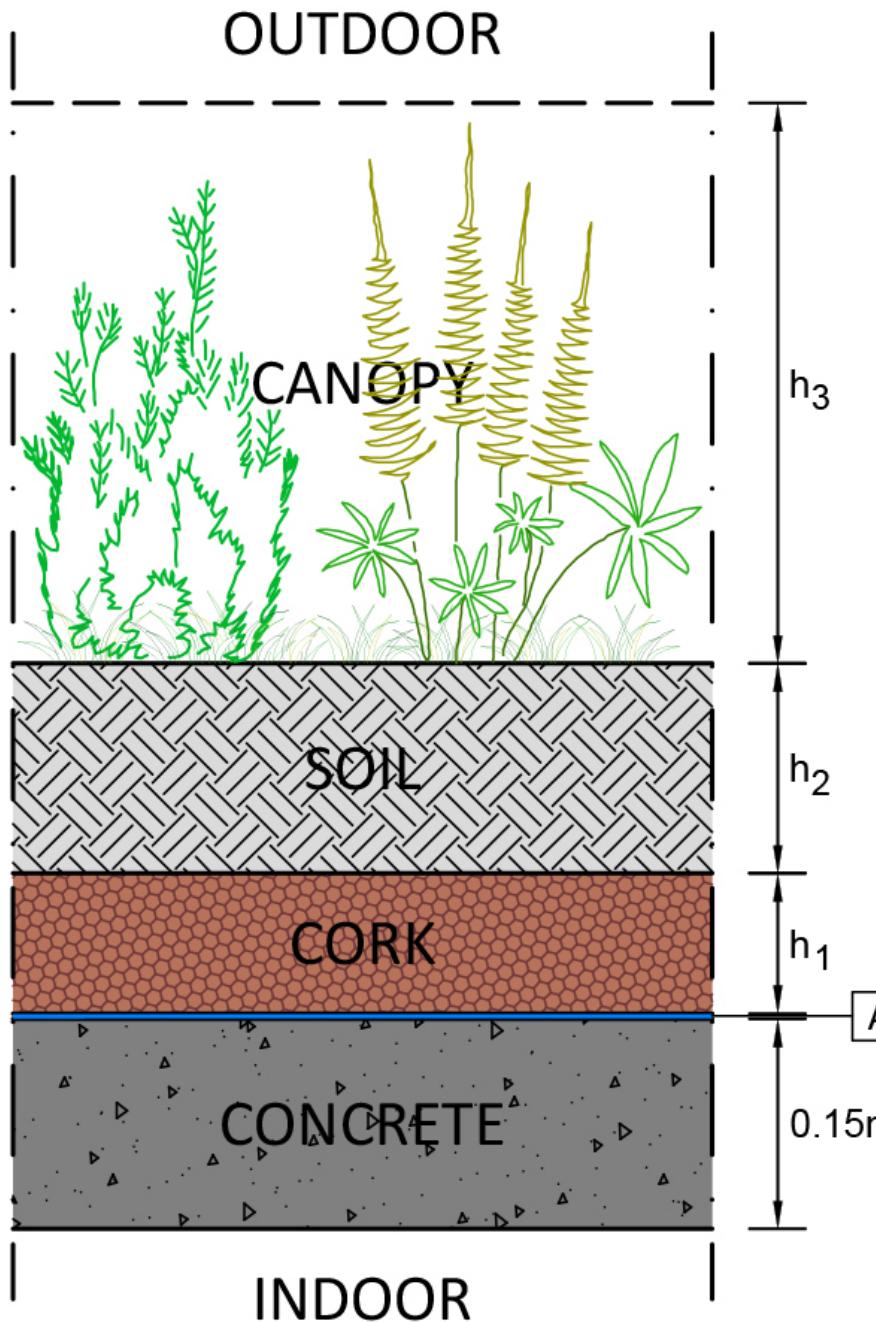
14 s

Krško NPP, Slovenia

1014.0s



Jožef Stefan Institute, Slovenia



(A) - Waterproofing Layer, 0.004mm (moisture barrier)

