

# Suggestions for Future Activities

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# I. SRG Recommendations

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# Analyze and Publish Available Data for the Mayak PA Cohort

- Dose-response risk estimates for **plutonium** exposure and mortality from **lung, liver and bone (LLB)** cancers
- Dose-response risk estimates for external radiation exposure and mortality from **leukemia, other (non-LLB) solid cancer** and major **specific cancer sites**
  - Risk estimates would account for dosimetric, as well as epidemiologic, uncertainties

# Analyze and Publish Current Data for the Combined Cohort (Techa and/or EURT exposures)

- Both mortality and cancer-incidence dose-response estimates for radiation exposure and:
  - leukemia,
  - total solid cancer
  - major specific cancer sites
- Risk estimates would account for dosimetric, as well as epidemiologic, uncertainties

# Information and Biosample Preservation

- **Develop CEDR data repository – archive of historical documents and reports, published work, meta-data, computer codes, analytic results**
  - **For discussion: Appropriate archiving of de-identified individual data, honoring proprietary constraints, in order to ensure that information is not lost and to enable future collaborations.**
- **Continued Maintenance of Biorepository – blood, surgical and autopsy tissues of Mayak workers and Ozyorsk residents, housed at SUBI, with accompanying data on radiation exposure, health outcomes and demographic data**

## II. One Scientist's Hope for the Future

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These are my individual thoughts on the future.

# Value of Continued Data Acquisition

- **Conduct additional years of high-quality follow-up for:**
  - **Mortality** in the **Mayak PA worker cohort**
  - **Mortality** and **cancer-incidence** in the **Super cohort**
    - (The Super cohort is an enlarged cohort of those exposed to Techa River contamination, the 1957 EURT accident, or both, and also includes prenatal exposures)
- **Gain in precision of dose-response risk estimates and estimation of lifetime risk**

# Conduct and Publish Updates for the Mayak PA Cohort

- Dose-response risk estimates for **plutonium** exposure and mortality from **lung, liver and bone (LLB)** cancers
- Dose-response risk estimates for external radiation exposure and mortality from **leukemia, other (non-LLB) solid cancer** and **major specific cancer sites**



# Conduct and Publish Updates for the Super Cohort (Techa and/or EURT exposures)

- Both mortality and cancer-incidence dose-response estimates for radiation exposure and:
  - leukemia,
  - total solid cancer
  - major specific cancer sites
- Dose-response risk estimates for *in utero* radiation exposure in the prenatally-exposed subset of the Super cohort, examining mortality and cancer incidence outcomes

# Comments or Questions

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