



Space Allocation Committee

Meeting Minutes

February 26, 2014, 2013, 9:00 – 10:00

Room: AH527

In Attendance:

Thomas Chase – Provost and Vice President (Academic)
Dave Button – Vice President (Administration)
Nelson Wagner – Associate Vice President – Facilities Management
James D’Arcy – Registrar
Neil Paskewitz – Director – Planning, Design & Construction

Meeting Agenda:

Review of current space requests - 30 Minutes

Tour of RIC 4th and 5th Floor Labs, and College West Space – 30 Minutes

Notes:

- New/updated items are highlighted in **bold**.
- To view an Annex/Appendix referenced in earlier updates, refer to the Space Allocation Committee Meeting Minutes provided for that date.
- Minutes are posted at <http://www.uregina.ca/president/committees/sac.html>

A. Facilities Update

1. 3D Cave Installation:

September 27, 2012 Update: The university has been offered 3D Visualization software and hardware from the Saskatchewan Research Council in Saskatoon. The AVP/ Research is working to complete the acquisition of this system. FM has been asked to explore options for a suitable location on campus. Recommendation to follow.

September 27, 2012 Space Allocation Committee Decision: Implementation of the 3D Cave installation is seen as a strong benefit to research efforts and is an opportunity for demonstration and promotion of these efforts to the general public. As such, public space can be considered for housing of this space.

January 14, 2013 Update: The equipment has been dismantled, boxed and shipped to the U of R, and will be stored at the TDF (Old Fire Hall on Grant Road). The recommended site for the Cave is a portion of Education 185 which would require renovations to accommodate the equipment. FM is reviewing design and budget implications.

March 25, 2013 Update: David Malloy is working with External Relations to find a donor to finance the installation and fit up of the space and equipment.

September 17, 2013 Update: David Malloy will request that key users develop a business plan to establish budget and strategy for management and operation of the research facility.

November 26, 2013 Update: Dr Stephen Bend (Geology) is discussing facility options with other faculty interests to develop a business case for its operation.

January 14, 2014 Update: Work continues on the business case.

February 26, 2014 Update: Cost sharing agreement is under consideration between Faculties. The lead operator for the Cave is yet to be determined but discussion has been leaning towards the Faculty of Science/Department of Geology as the lead for a 1 year evaluation period.

B. Updates from ULT

Academic:

1. Arts
2. Business Administration
3. Centre for Continuing Education

3.1 January 12, 2012 Update: Reminder that there is critical need for space to adequately serve ESL. They are grossly under-accommodated with currently 3-4 faculty per office, and space scattered over the campus sometimes in sub-standard conditions.

January 12, 2012 Space Allocation Committee Decision: A working committee will be organized through the office of the Provost/VP Academic to examine short term and long term solutions for ESL.

March 9, 2012 Update: There was a tour with FM, Provost, CCE Director, and ESL Acting Head - Therese Gerrond to survey present conditions for ESL. The short term resolution will require significant innovation and possible redistribution of space. The long term solution will only come about as a result of a new building on campus.

January 14, 2014 Update: Dr. Harvey King has requested that he provide a brief presentation to the Space Allocation Committee at the February 20th (**now March 27th**) meeting. He will join the committee for a ½ hour discussion on the requirements for ESL.

February 26, 2014 Update: FM is exploring options to consolidate the ESL faculty and admin staff into appropriate space in College West. Under this plan the current Campion College faculty office space and South Residence administrative office space would be available for re-assignment to address other space needs on campus. This plan will be presented at a future SAC meeting.

4. Centre for Teaching and Learning
5. Education
6. Engineering

6.1 April 23, 2013 New Request. Dr Gordon Huang request of additional Lab space - RI 545 (see attached Appendix 'B'). A meeting has been scheduled April 23 to review the space requirements of the original CFI request. A recommendation will follow.

November 26, 2013 Update: FM met with the Dean of Engineering & Applied Science and his new faculty administrator to review all assigned space in the faculty. FM has recommended a set of space dominoes that would accommodate Dr Huang's research space requirements as well as those of Dr Babu (Biology). Engineering will advise.

January 14, 2014 Update: Proposed move sequence has been presented to VP Research and Dean of Engineering & Applied Science. See Appendix A. FM is awaiting approval of this proposal.

January 14, 2014 Space Allocation Committee decision: The committee has requested that options for Dr. Huang's request be provided by the Dean of Engineering and VP Research with the support of Facilities Management. It is noted that RI-545 will not be considered as part of the solution.

February 26, 2014 Update: A tour took place with Dr. Huang, FM, VP Research and VP Admin. The following recommendation is supported by the Dean of Engineering and the VP Research:

- Institute for Energy, Environment and Sustainable Communities (IEESC) be allocated RI-445 (former McMartin lab) for use by Dr.Huang
- Dr. Huang to vacate ED-460. ED-460 will remain allocated to Engineering.
- Dr. Huang to vacate RI-540. RI-540 will be un-allocated and available for future space requests.
- Faculty of Engineering relocate Dr. Paranjape from RI- 438 to ED-460.
- Institute for Energy, Environment and Sustainable Communities (IEESC) be allocated RI-438 for use by Dr. Huang. Space allocation of RI-438 will shift from Engineering to IEESC.
- Additional space for storage of field equipment will be coordinated for Dr. Huang (either in basement of RIC, or at the TDF).

February 26, 2014 Space Allocation Committee Decision: This recommendation is approved.

7. Fine Arts
8. Institut Francais
9. Johnson-Shoyama Graduate School of Public Policy

- 9.1 September 17, 2013 Request: JSGSPP has suggested the lease of additional space in 2R to enable consolidation of their faculty in one building, and vacate CAC to accommodate redevelopment. Options are under review.
- October 23, 2013 Update: FM has discussed this option with Innovation Place. IP will review and advise by end of October.
- November 26, 2013 Update: FM has contacted Dr. McNutt at JSGSPP with regard to moving JSGSPP staff from the Gallery Building to the second floor of 2Research Drive. A meeting has been scheduled for December 4 to tour the space with JSGSPP to get their input as to whether this planning proposal will meet their needs.
- January 14, 2014 Update: Lease of additional space has been finalized with Innovation Place. JSGSPP has agreed to move their staff and operation from the Gallery Building to 2R. FM is working with JSGSPP to finalize their space requirement and layout.

10. Kinesiology & Health Studies

September 17, 2013 Update: The Dean has requested to have an extension of the allocation of CK 210 to the Faculty of Kinesiology and Health Studies for another term to April 30, 2015. In the near future, Dean Riemer will submit an official request to have this space allocated on a permanent basis.

September 17, 2013 Space Allocation Committee Decision: Extension of temporary allocation to April 30, 2015 is approved.

11. Library

12. U of R Faculty of Nursing

- 12.1 November 26, 2013 Request: The Dean has identified their short and long term space requirements (see attached ~~Appendix A~~). FM is exploring options.

February 26, 2014 Update: The faculty is requesting 2-3 additional offices for September 2014. The current instructional lab in ED 389 cannot meet the program delivery needs for distance learning. A larger space has been requested. FM is looking into options.

13. Science

- 13.1 October 23, 2013 Space Request – Faculty of Science is requesting additional lab support space (with suggestion of RI-540) to house the research team of Dr. Mohan Babu. Further information on this request is provided in ~~Appendix B~~. Note that RI-540 is presently allocated to Dr Gordon Huang. Since this remains a possibility if another option works out, FM has provided a budget for fit-up of this space at approx. \$170k. Science is presently reviewing available funding.

14. Social Work

- 14.1 June 7, 2013 New Space Request: Social Work is working with Facilities Management to find additional teaching space in Saskatoon to be able to provide distance learning. Room needs to be ready for September 2014 classes. Update to follow.
- September 17, 2013 Update: Request is for classroom space with capacity of 70 students, required by September, 2014. Solution must be confirmed by December 2013. Suggested lease of Galaxy Theatre space was not suitable.

15. Student Affairs

- 15.1 March 25, 2013 New Space Request: The UR Guarantee Program and Student Success Centre is requesting a designated minimum 20 seat classroom space for students in the Academic Recovery Program to be piloted in Fall 2013. FM reviewed options with UR Guarantee. Recommendation: Short term - Registrar's Office and UR Guarantee are to find a suitable location within current classroom inventory. Long term – UR Guarantee to review options with Student Affairs on converting some existing instructional space for dual use (possibly RC second floor).

16. UR International

Administration:

17. Facilities Management

18. Financial Services

- 18.1 November 21, 2011 Request: Supply Management Services has outgrown their current space and have requested options for expansion or alternate location.

19. Human Resources

20. Information Services

21. Resource Planning

22. Enterprise Risk Management

Research:

23. Graduate Studies and Research

24. Institute for Energy, Environment and Sustainable Communities (IEESC)

- 24.1 April 23, 2013 New Request. Dr Gordon Huang request of additional Lab space - RI 545 (see attached Appendix 'B'). A meeting has been scheduled April 23 to review the space requirements of the original CFI request. A recommendation will follow.
June 7, 2013 Update: ORIP, SMS and FM met with Dr Huang to review the space request. Requirements for the CFI Grant and related model are still in discussion.
November 26, 2013 Update: New request will be forthcoming from Jocelyn Crivea.
January 13, 2014 Update: See Section 6.1

25. Office for Research, Innovation and Partnership

26. University Press

27. Centre canadien de recherche sur les francophonies en milieu minoritaire

28. Centre on Aging and Health

29. Humanities Research Institute

30. Indigenous Peoples Health Research Centre

- 30.1 January 14, 2013 Request: This unit is currently under allocated and somewhat hidden away in the old portion of the CKHS building. Improved office space and additional research space is requested as they have recently received a large SHRF grant.

- 30.2 June 7, 2013 Request: Office space required for one post doc. Requirements under review.
- 30.3 September 17, 2013 Update: FM met with IPHRC to review space requirements. Options are being explored.
- November 26, 2013 Update: IPHRC has an immediate need for an office to accommodate a recently hired postdoc and general office space to accommodate three recently hired research assistants. In addition IPHRC has indicated that they will be hiring two more research assistants in the very near future. The current proposal to accommodate the IPHRC growth is to relocate SPHERU from the main floor of CKHS to the second floor of 2R. This will allow IPHRC to expand into the vacated SPHERU space with minimal (if any) renovations. SPHERU has yet to be informed of this proposed planning solution.
- January 14, 2014 Update: Recommendation is to relocate SPHERU to the second floor of 2R to accommodate the growth of IPHRC. Dr. Kathy McNutt of JSGSPP has indicated that they work closely with SPHERU so this proposal appears to be a good fit given the move of JSGSPP to 2R. FM is seeking approval from SAC to approach and review this proposal with SPHERU.
- January 14, 2014 Space Allocation Committee decision: The committee has declined the recommendation to allocate leased space for this purpose. FM to review alternate options.

31. Prairie Particle Physics Institute

32. Saskatchewan Population and Health Evaluation Research Unit

January 14, 2014 Update: See recommendation in 30.3 above.

33. Canadian Centre for Public Safety and First Responders

- 33.1 January 14, 2013 Request: This unit recently completed their planning phase and have advanced to funding and implementation. Office space is required for an interim Director and support staff.

34. Office of VP Research

35. Saskatchewan Justice Institute

Other:

36. External Relations

37. Presidents Office

- 37.1 January 14, 2013 Request: The President's Advisory Committee on Art (PACA) has requested temporary space to catalog and store a new sizable donation to the collection. A location near the current vault in the basement of the Gallery building would be preferred. FM reviewed this request with PACA and CCE to find a suitable location. GA014 (presently a dance/movement/multi-purpose room used by the Lifelong Learning Centre) adjacent to the existing PACA storage vault is being recommended. CCE has yet to confirm the activities scheduled for this room can be moved to other locations. This request has been approved, pending confirmation from CCE.

March 25, 2013 Update: The University is still in negotiations with the donor regarding the terms of accepting the collection. CCE has reviewed usage of GA 014 and has requested that an alternate location for PACA be found as this room is use-specific and current programming cannot be accommodated elsewhere.

April 23, 2013 Update: PACA has quantified the staffing and space requirements for managing this potential addition to the collection. Associated budgets have been forwarded to the President's Office for review.

38. CUPE 2419

39. URFA

40. URSU

41. University Club

42. Day Care

42.1 October 23, 2013 Information Item: RFP is being drafted for selection of a Consultant to guide the development of the business case for a rental agreement of the existing and new daycares.

External Partners:

39. Campion College

40. Innovation Place

40.1 January 14, 2013 Request: A tenant of Innovation Place, the Mera Group of Companies, has inquired on leasing space in the TDF facility on a month-by-month basis to conduct research. Facilities Management is recommending that the unused space within the TDF be made available for lease on a temporary basis until internal needs have been prioritized. Lease terms will be based on market rates, and will be on a month-by-month duration unless approved otherwise by the Space Allocation Committee. This request has been approved.

March 25, 2013 Update: Lease agreement has been signed. Terms – month to month.

October 23, 2013 Update: Mera Group has requested their lease term be increased to a 6 month renewal.

October 23, 2013 Space Allocation Committee: Extension of lease term on hold pending study of other considerations for the TDF. Lease agreement can continue on a month to month basis.

February 26, 2014 update: In support of their request for a 6 month renewal, Mera Group has provided supporting information as provided in Appendix A.

February 26, 2014 Space Allocation Committee Decision: The committee has approved a 6 month extension of the lease to the Mera Group.

42. Canadian Police Research Centre

43. First Nations University

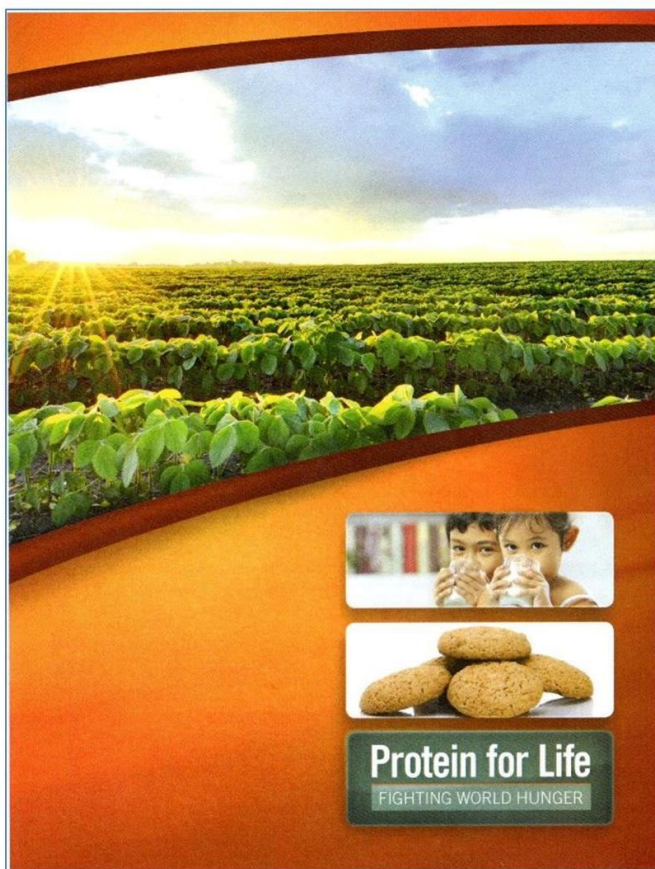
Next Space Allocation Meeting: March 27, 2014, 10:00 – 11:30



Appendix A

Protein for Life

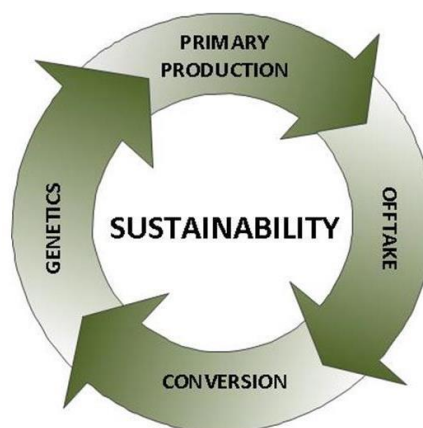
Mera Group's "Protein for Life" concept is built on the development of enhanced food soybean germplasm (genetic material). Mera's system utilizes state of the art grain conditioning and ingredient processing techniques as well as innovative food applications and streamlined industrial production. These factors combine reliably produce soy foods that are both nutritious and palatable, encouraging humans to cost-effectively ingest the proteins needed to facilitate growth, development and education.



Protein for Life

FIGHTING WORLD HUNGER

Protein for Life is Mera's sustainable full cycle production solution.



Mera SoyShake is produced at a fraction of the cost of cow's milk. The use of land for the production of vegetable protein from soybeans is an eco-friendly enterprise generating fewer greenhouse emissions than meat and dairy livestock produce. Whole fibre soy beverages have also been proven to be healthier than their dairy-based equivalents and to mitigate certain conditions such as heart disease, high cholesterol, obesity, and many others.

Mera SoyShake's cost efficiency makes it ideal for social and humanitarian projects. In addition, their nutritional value is similarly remarkable – each serving of Mera SoyShake contains all the vitamins, minerals and protein nutrients that are found in an equivalent amount of whole dairy milk.



Mera Group has considerable experience implementing its food production technologies in developing countries. By taking advantage of this on-the-ground expertise and strong relationships with regional contacts, Mera's technical solutions are consistently further refined to meet the needs of each client region. Mera's "Protein for Life" initiative is specifically directed at regions with both a suitable climate for the production of soy and an active interest in boosting their capacity to feed their citizens, develop food industries and replace importations.



Technology

Mera is currently testing a system of transportable and modular processing which converts whole soybeans into liquids and paste which may be used to create a variety of foods. This processing technology revolutionizes the production of soy beverage, beverages and other food products from soybeans. In comparison to existing methods, it eliminates a number of costly and lengthy steps of conventional soy processing, such as soaking, hulling and powderizing the beans. It reduces energy requirements, preserves the nutritional value of soy by treating beans with lower temperatures (105°C vs. traditional 400°C) and leaves no waste product.

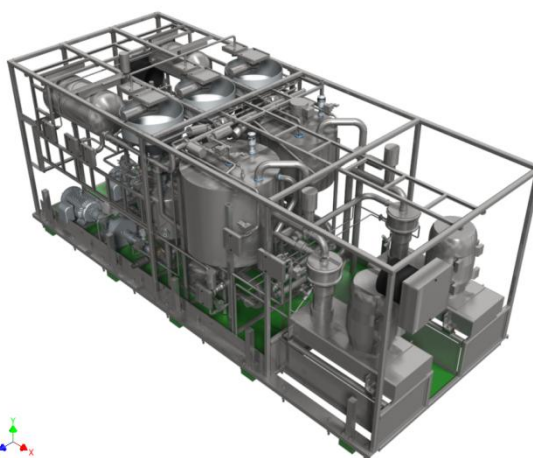
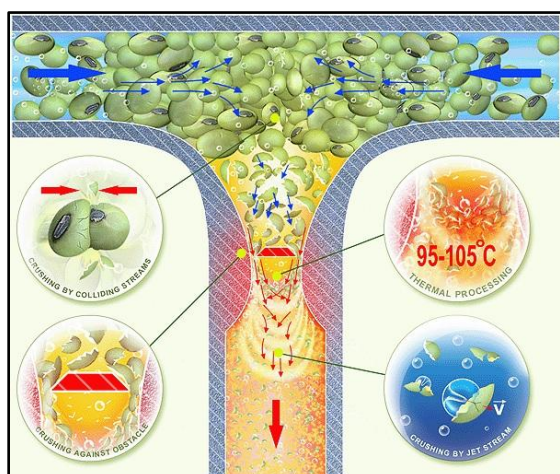
Since Mera production line is compact and can be fit in a twenty foot container, it can be easily delivered to the areas of natural disasters and conflicts to allow population in need access to fresh nutritional food. It will give a chance to protein deprived areas of the world to gain access to soy protein. Mera is working to provide a complete solution: plant genetics are selected, developed and optimized for each specific location to enable local farmers produce beans that will be processed locally by Mera technology and distributed to local schools.



International Exposure and Acceptance

To date, the UN and EDC have sent representatives to view the technology. We have also had the European Union Ambassador from Mexico and Colombia come to Regina for a demonstration. The Governor of Veracruz state in Mexico viewed the technology in February 2014. All were greatly impressed with the capabilities of the technology as rapid and cost efficient solution to protein deficiency and lactose intolerance in their environments. We have many countries and organizations that are interested in our process our initial focus has been in Dominican Republic and Mexico however those initiatives have led to projects in Haiti and Honduras as well. We hope to commission the initial units in mid-2014.

While this was primarily designed for use in developing nations, it does have economic benefit options in Canada. We have tested locally grown soybeans and pulse crops. Literally 40 minutes after we receive them, we can provide soy beverage. The product is considered very high quality as compared to other soy beverages based on testing done with potential soy beverage vendors in Canada.



We are developing the entire process in discreet business units. The Saskatoon Food Centre, a research facility affiliated with the University of Saskatchewan, has been supplying equipment as we developed the process for the patents. They continue to work with us to develop recipes and new food product formulation specific to the needs of our clients and their unique environments. For example 87 % of the Mexican child population is anemic and Iron must be added to each formulation to overcome this.

Mera has a full time research engineer on staff seconded to Carleton University They are a working with us to develop a body of research on full fibre soy processing. What interests them so much is that they have been studying soy processing and okara is a major waste product. Our process incorporates okara into the beverage; therefore, it is no longer a waste product but actually increases the fibre and protein content of our final product.

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Of particular interest to Carleton is that this process until now has not existed in the world and they have consequently dedicated significant resources to advance our research. One full time Professor and two research assistants are assigned to this project.

In addition Mera has two international Research contracts with ISA, one of the most prestigious Agricultural universities in the Caribbean to develop non genetically modified varieties, research local ingredient use in food products as well as extension and education services.

Industrial Design Automation and Systems Integration

In the U of R Technology Development Facility (former fire hall at 3303 Grant Road), Mera is developing the industrial process. Our team members working on this component are U of R Master's grads. We have several patents pending on the process and continue its development. Mera has a team of more than 25 engineers and software scientists dedicated to automation and systems design based in Regina at Innovation Place. The systems control and remote management are leading edge technologies that oversee the production and of food products and quality control and cleaning of the production equipment. This is all done in a hostile field environment that must be monitored continuously by system based in Regina.

The test equipment consists of one 240 V 14 hp electric motor attached to a centrifugal pump in a closed loop system with a 20 L vessel. The bearings of the impeller pump are lubricated by waterflow but limited to 10 to 15 L per hour. The products tested in the lab unit will include water soybeans, lentils and chickpeas. The closed loop system does not produce any solid waste but any excess product will be carried off-site for disposal in the city landfill.

In addition a second but parallel system will be tested to further shear the particles and homogenize the mix. This machine is a 600 V 20 hp electric motor attached to an impeller pump and a vertical sheer mixer which rotates at 17,000 RPM. The sheer mixer is a three stage process which ensures particle consistency. The system is closed and

produces no solid waste



Each test takes 45 min. starting temperature of the system is ambient room temperature and never exceeds 104°C. Pressures within the system never exceed 40 PSI. The unit

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has been CSA approved as a pressure vessel. During the first 4 min. of each test cycle noise levels do reach 88.5 dB but then quickly reduced to 70 dB for the conclusion of all tests. The unit being tested is portable and has a footprint of less than 20 ft.². The unit is cleaned daily and it is expected that no more than three or four tests will be completed each day and probably no more than two days per week.

Mutual Benefits

We value our relationship with the University of Regina and greatly appreciate the opportunity to use the University premises for our project. The overwhelming majority of Mera employees are graduates of the U of R. We closely work with the U of R Co-op program, and hire engineering and business students for their work terms on ongoing basis.

We also believe that there exist many benefits to the University of Regina by this project being headquartered in Regina and developed at the U of R facilities.

- 1) Research and development opportunities for Industrial and Software Systems Engineering.
- 2) Research and collaboration opportunities with the domestic and international institutions participating in this project.
- 3) Continued opportunities for future Co-op students and Graduates with in the project scope.
- 4) Visibility and Participation in a project that has gained international acceptance and is in the stated directions of both Federal and Provincial governments in AgriFood policy

Given that presently our project is at the critical stage, it is paramount to Mera to have a secured and guaranteed facility to complete the testing efficiently and on time. Moving to a new location within the next ten months will substantially jeopardize attaining the existing deadlines and goals.

We would be more than happy to provide a demonstration of the technology if the U of R personnel are interested.

Respectfully

Wayne Goranson P.Eng.
Managing Director