[012] Generating the first information indicative of future performance and sustainability is based on uncertain input data.

[013] The first information is indicative of one or more development projects that will alter the operational performance trajectory or financial performance trajectory or both of the municipality or institution or commercial entity in a sustainable manner.

[014] Generating the first information includes generating information sufficient to evaluate the suitability of suppliers and products based on their long-term influence on the performance of one or more development projects.

[015] The method includes determining, using the dynamic simulation model, data indicative of the actual implementation and performance of one or more of the development projects that can be used to influence the time evolution of the values. In some examples, the data are indicative of a cost or a schedule or both associated with one or more of the development projects.

[016] The scenario-based projection associated with future finances includes a predicted return of investment capital, a predicted return of investment capital, or both.

[017] The second information is information indicative of financial sustainability of the municipality or institution or commercial entity.

[018] The method includes receiving input indicative of a change to a development project or an ongoing operation or policy; and generating information indicative of future performance and sustainability based on the received input.

[019] In general, in an aspect, ~~a calibrated and tested dynamic simulation model of at least one municipality or institution or commercial entity is operated to generate information that enables the municipality or institution or commercial entity and suppliers of products for development projects of the municipality or institution or commercial entity to engage in execution of development projects that the model demonstrates will enhance the performance and sustainability of the municipality or institution or commercial entity. The municipality or institution or commercial entity may include subsidiary municipalities, institutions, or commercial entities. The simulation model of the municipality or institution or commercial entity is used to monitor and influence the execution of the development projects or ongoing operations and policies of the municipality or institution or commercial entity. Financers of the development projects are provided with information from operation of the dynamic simulation model that demonstrates the performance and sustainability of the municipality or institution or commercial entity and the acceptability of risks associated with the financing of the projects or operations. The municipality or institution or commercial entity employs the~~

~~simulation model to monitor and influence its development projects and ongoing operations and policies and performance and how they affect returns on and the return of finance capital, so as to ensure the sustainability of financing.~~there is provided a computer-implemented method comprising

generating, by a computer operating a calibrated and tested dynamic simulation model of at least one municipality or institution or commercial entity, information that enables the municipality or institution or commercial entity and suppliers of products for development projects of the municipality or institution or commercial entity to engage in execution of development projects that the model demonstrates will enhance the performance and sustainability of the municipality or institution or commercial entity,

monitoring, by a computer operating the simulation model of the municipality or institution or commercial entity, the execution of the development projects or ongoing operations and policies of the municipality or institution or commercial entity, and

providing, by a computer, to financers of the development projects, information generated by operation of the dynamic simulation model that demonstrates the performance and sustainability of the municipality or institution or commercial entity and the acceptability of risks associated with the financing of the projects or operations.

[020] Implementations may include one or more of the following features. There may be one or more than one simulation model of the municipality or institution or commercial entity. The simulation model or models span two or more development projects of the municipality or institution or commercial entity as well as its policies and ongoing operations. The one or more development projects may include projects to develop infrastructure, products, services, technologies, methods, resources, processes, or other items or assets. The two or more development projects may be synergistic relative to the performance and sustainability of the municipality or institution or commercial entity. The dynamic simulation model or models have been tested, calibrated, and validated using historical data representing operations and policies of the municipality or institution or commercial entity. The products, infrastructure, equipment, or services provided by or suppliers may have characteristics that are particularly applicable to the development projects or the operations of the municipality or institution or commercial entity based on the information generated by the simulation model or models. The municipality or institution or commercial entity and the suppliers may both have access to operation or results of the dynamic simulation model. The other stakeholders of the municipality or institution or

commercial entity may have access to operation or results of the dynamic simulation model. The financers may have access to operation or results of the dynamic simulation model. The information is provided to the financers of the development projects prior to their financing the projects. The information is provided to the financers of the development projects after they have financed the projects, during the period when the projects are being executed and operated. The financers may interact with the municipality or institution or commercial entity in evaluating and influencing the sustainability of the financing. The municipality or institution or commercial entity includes a city. The municipality or institution or commercial entity includes contiguous cities and towns. The suppliers include suppliers of physical facilities or equipment or services. The development projects include infrastructure projects. The dynamic simulation model may be operated by the municipality or institution or commercial entity or by some agent set up or appointed by the municipality or institution or commercial entity for that purpose or by one or more of the suppliers or by one of more of the financers or by one or more parties other than . The dynamic simulation model is operated by at least one of the suppliers. The dynamic simulation model is operated by at least one of the

financers. The dynamic simulation model is operated by a party other than the municipality or institution or commercial entity, the suppliers, or the financers.

[021] In general, in an aspect, a computer implemented method is provided such that a supplier of products for development projects or operations and policies of a municipality or institution or commercial entity can access a calibrated and tested dynamic simulation model of the municipality or institution or commercial entity. The supplier of products~~, infrastructure, equipment, or services~~ can design products for the development projects that will enhance the performance and sustainability of the municipality or institution or commercial entity based on the dynamic simulation model. The supplier of products can also provide to the municipality or institution or commercial entity information demonstrating that the products will enhance the performance and sustainability of the municipality or institution or commercial entity based on the dynamic simulation model.

[022] Implementations may include one or more of the following features. The dynamic simulation model may include a model also used by the municipality or institution or commercial entity. The dynamic simulation model may include a model also used by financers of development projects for the municipality or institution or commercial entity. The supplier may include a supplier of products, infrastructure, physical facilities or equipment, or services. The municipality or institution or commercial entity includes the city. The development projects include infrastructure projects. The supplier products can provide to financers of development projects information demonstrating that the product will enhance the performance and sustainability of the municipality or institution or commercial entity based on the dynamic simulation model.

[023] In general, in an aspect, a computer implemented method is provided such that financers of development projects or operations and policies of a municipality or institution or commercial entity can have access to a calibrated and tested dynamic simulation model of the municipality or institution or commercial entity to determine a relationship between a proposed development projects or operations and policies and performance and sustainability of the municipality or institution or commercial entity~~ and its financings and development~~. The financers are provided with information about products to be supplied to the municipality or institution or commercial entity to implement a development project or operation. The financers can establish proposed terms under which the financers will finance the products to be supplied to the municipality or institution or commercial entity based on operation of the dynamic simulation model.

[024] Implementations may include one or more of the following features. The dynamic simulation model includes a model also used by the municipality or institution or commercial

entity. The dynamic simulation model includes a model also used by suppliers of the products. The municipality or institution or commercial entity includes the city. The municipality or institution or commercial entity includes the city or contiguous cities or towns. The development project includes an infrastructure project. The products include physical facilities or equipment, or services. The financers are enabled to determine risks and rewards of the development project based on operation of the dynamic simulation model. The proposed terms include a type of investment vehicle and a level of return on the investment.

[025] In general, in an aspect, a computer implemented method is provided such that a calibrated and tested dynamic simulation model of the municipality or institution or commercial entity is operated on behalf of the municipality or institution or commercial entity to generate information that enables the municipality or institution or commercial entity to make decisions about development projects or operations and policies that will enhance the performance and sustainability of the municipality or institution or commercial entity. The municipality or institution or commercial entity can expose the information to suppliers of products associated with the development projects or operations and policies and to financers of the products.

[026] Implementations may include one or more of the following features. The dynamic simulation model is operated by the municipality or institution or commercial entity. The dynamic simulation model is operated by a party other than the municipality or institution or commercial entity, on behalf of the municipality or institution or commercial entity. The dynamic simulation model spans all of the development projects of the municipality or institution or commercial entity. The dynamic simulation model spans all operating activities and major policies of the municipality or institution or commercial entity. The dynamic simulation model is tested using historical data about the operation of the municipality or institution or commercial entity.

[027] In general, in an aspect, a computer implemented method is provided such that a municipality or institution or commercial entity executes a development project that includes physical facilities or equipment, or services, based on information provided by a calibrated and tested dynamic simulation model of the municipality or institution or commercial entity. The municipality or institution or commercial entity operates the development project in accordance with the dynamic simulation model.

[028] Implementations may include one or more of the following features. The development project includes an infrastructure project. The dynamic simulation model spans at least one other development project of the municipality or institution or commercial entity. The municipality or institution or commercial entity shares information generated by the