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| **SOLICITANTE** | **CENAPRED** | **PROYECTO DE INVESTIGACIÓN** | **Adecuaciones para la integración de la red de observación sísmica del CENAPRED (estaciones Ciudad de México) al modelo de estimación de intensidades sísmicas de la UNAM** |

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| **N°** | **ACTIVIDADES** | | **PLAZO** | | **1-2** | | | | **3-4** | | | | **5-6** | | | | **7-8** | | | | **9-10** | | | | **11-12** | | | | **13-14** | | | | **15-16** | | | | **17-18** | | | | **COSTOS** |
| **MESES** | **SEMANAS** |
| **1** | **Actividad 1 Trámites administrativos de ejecución** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **$0.00** |
| 1.1 | Gestiones de cumplimiento al Oficio Circular no. SRACP/300/1022/2017, emitido por la Secretaría de la Función Pública | 1 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $0.00 |
| 1.2 | Gestiones de autorización de procedimiento administrativo y/o jurídico aplicable, según se desprenda de los resultados de lo señalado en el punto 1.1 | 1 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $0.00 |
| 1.3 | Gestiones UG de Asuntos Jurídicos de la SEGOB y suscripción del instrumento | 6 | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $0.00 |
| **2** | **Actividad 2. Diagnóstico del estado de los sensores de aceleración de pozo y planteamiento para su posterior integración a la base datos de registros acelerográficos** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **$800,000.00** |
| 2.1 | Informe del Diagnóstico del estado de los sensores de superficie y pozo de la Red Sísmica de la Ciudad de México (CENAPRED) | 2 | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $500,000.00 |
| 2.2 | Documento acerca del planteamiento de mejora de la Red Sísmica de la Ciudad de México. | 1 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $300,000.00 |
| **3** | **Actividad 3**  **Llevar a cabo el reforzamiento y modernización de las estaciones acelerográficas de Estanzuela, Zaragoza, U.Kennedy, Roma C y Chapultepec (de la Ciudad de México)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **$2,500,000.00** |
| 3.1 | Reporte y memoria técnica de la implementación y adecuaciones de cinco estaciones acelerometricas para transmitir en tiempo real | 6 | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $1,500,000.00 |
| 3.2 | Informe sobre puesta en marcha de un sistema para las transferencia de trazas sísmicas al Instituto de Ingeniería | 6 | 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $1,000,000.00 |

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| **SOLICITANTE** | **CENAPRED** | **PROYECTO DE INVESTIGACIÓN** | **Adecuaciones para la integración de la red de observación sísmica del CENAPRED (estaciones Ciudad de México) al modelo de estimación de intensidades sísmicas de la UNAM** |

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| **N°** | **ACTIVIDADES** | | **PLAZO** | | **1-2** | | | | **3-4** | | | | **5-6** | | | | **7-8** | | | | **9-10** | | | | **11-12** | | | | **13-14** | | | | **15-16** | | | | **17-18** | | | | **COSTOS** |
| **MESES** | **MESES** |
| **4** | **Actividad 4**  **Desarrollar, implementar e integrar los registros de aceleración a la Sistema de generación de mapas de intensidades sísmicas.** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **$700,000.00** |
| 4.1 | Informe sobre la inclusión de datos de estaciones del CENAPRED y mejora del modelo de generación de mapas de intensidades | 3 | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $700,000.00 |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Subtotal 1** | | | | | | | | | | | | **$4,000,000.00** |
| **COPARTICIPACIÓN** | | | | | | | | | | | | **$0.00** |
| **FOPREDEN** | | | | | | | | | | | | **$4,000,000.00** |
| **TOTAL PROYECTO DE INVESTIGACIÓN** | | | | | | | | | | | | **$4,000,000.00** |

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| **Gastos de Operación y Supervisión** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **(f)** |
| **1** | **No aplica** |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |
| **2** |  |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |

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| **Calendario de Aportaciones** |

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| **Calendario de Aportaciones** | **MES**  **1** | **MES**  **2** | **MES**  **3** | **MES**  **4** | **MES**  **5** | **MES**  **6** | **MES**  **7** | **MES**  **8** | **MES**  **9** | **MES**  **10** | **MES**  **11** | **MES**  **12** | **MES**  **13** | **MES**  **14** | **MES**  **15** | **MES**  **16** | **MES**  **17** | **MES**  **18** | **TOTAL** |
|  |  |  |  |  |  |  |  |  | **$800,000.00** |  |  |  |  | **$1,500,000.00** |  | **$1,000,000.00** | **$700,000.00** | **$4,000,000.00** |

El presente Proyecto de Investigación para la Prevención fue aprobado en la Quinta Sesión Extraordinaria del Comité Interno de la Subcuenta de Investigación para la Prevención del Fondo para la Prevención de Desastres Naturales (Se anexa acta).